

**INSTRUCTIONS – DEP FORM 62-624.600(2)
ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR
MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

Who Must Submit This Annual Report Form?

- Operators of municipal separate storm sewer systems (MS4s) that are covered by an individual NPDES stormwater permit pursuant to Rule 62-624, F.A.C. must submit this form. Each permitted operator must individually complete and submit this form, even if the operator is covered under a permit with multiple co-permittees or has established an interlocal agreement with one or more co-permittees.

When to Submit This Annual Report Form?

- This form must be fully completed and submitted for each year of coverage under the NPDES stormwater permit term. The Year 1 Annual Report must cover the twelve-month period beginning on the effective date of the permit and is due six months after the first anniversary of the date of permit issuance. All subsequent annual reports are due six months after the anniversary of the effective date of the permit.

Where To Submit This Annual Report Form?

- This form and any REQUIRED attachments must be sent by mail to the address below. The form and attachments may be submitted electronically (on a disk or CD) if a signed paper copy of Section VI of this form (Certification Statement and Signature) is also submitted. Do not submit any materials not specifically required to be submitted as per Section V of this form.

Florida Department of Environmental Protection
NPDES Stormwater Section
Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Section I: BACKGROUND INFORMATION

- Row A — Provide the name of the governmental entity submitting this form. For example, "City of Lauderdale."
- Row B — Provide the name of the permit as it appears on the first page of your permit. For example, "Broward County MS4." The permit name will not necessarily be the same name provided in Row A if the permit covers multiple co-permittees. If the name of the permit is the same name provided in Row A, repeat the name in Row B – do not leave the row blank.
- Row C — Provide the last two digits of your permit number as it appears on the first page of your permit.
- Row D — Indicate which permit year the annual report covers. If the permit year is beyond Year 5, check the last box and provide the appropriate permit year number.
- Row E — Indicate the twelve-month period the annual report covers. Provide the month and year for the beginning of the period and the month and year for the end of the period. For example, "March/2003 through February/2004." Do not provide the day.
- Row F — Provide contact information for your Responsible Authority. The definition of a Responsible Authority can be found at Rule 62-620.305, F.A.C.
- Row G — Provide contact information for the Designated Stormwater Management Program Contact if it isn't the same person as the Responsible Authority identified in Row F, otherwise leave this section blank. The Stormwater Management Program Contact is the technical person that oversees the stormwater program and is the primary contact for when the Department has questions about the annual report, is scheduling an annual inspection, or needs to discuss miscellaneous issues concerning implementation of the permit.

Section II: MS4 MAJOR OUTFALL INVENTORY

- This section is required to be completed in all permit years EXCEPT Year 1. In Year 1, you are required to provide an inventory and a map of all known major outfalls, in accordance with Rule 62-624.600(2)(a), F.A.C. In all subsequent permit years, you need to only provide any updates to the inventory by completing this section.
- The definition of a "major" outfall can be found at Rule 62-624.200(5), F.A.C.

- For the third item listed, indicate whether you attached the major outfall inventory and a map of the major outfall locations in accordance with Rule 62-624.600(2)(a), F.A.C. This item is only applicable in Year 1. For all other reporting years, check the "N/A" box.
- For the fourth item listed, indicate whether you attached the estimates of pollutant loadings and event mean concentrations as required under Part V.A of your permit and in accordance with Rule 62-624.600(2)(b), F.A.C. This item is only applicable in Year 3. For all other reporting years, check the "N/A" box.
- For the fifth item listed, indicated whether you attached your permit re-application in accordance with the re-application requirements in Rule 62-624.420(2), F.A.C. This item is only applicable in Year 4. For all other reporting years, check the "N/A" box.

Section VI: CERTIFICATION STATEMENT AND SIGNATURE

- The Responsible Authority listed in Section I.F of this form must sign the certification statement provided in this section, in accordance with Rule 62-620.305, F.A.C. The annual report form will be returned to the permittee if the required signature is not included. If you choose to submit the annual report and attachments electronically, a signed paper copy of this section must also be submitted.

Section VII: STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

- Column A — Columns B through F must be completed for each SWMP element indicated by the permit citation in Column A. No information is to be inserted by the permittee in this column.
- Column B — Provide a summary of the permit requirements in Part III.A of your permit for each SWMP element and, underneath the summary, list the quantifiable SWMP activities related to the requirements. The particular quantifiable SWMP activities are specific to each permittee, but must include, at a minimum, the quantifiable activities that are required by the permit to be reported.
- Column C — Provide a number representing the activities performed in the current reporting year for each of the quantifiable SWMP activities you listed in Column B. This column may not be left blank for any of the quantifiable SWMP activities listed in Column B.
- Column D — Provide a title or description of the record that documents each number you provided in Column C. For example, "Daily Work Orders," "Illicit Complaint/Investigation Forms and Log," or "Construction Inspection Checklists and Log." If the activity is recorded entirely in an electronic database system, you may provide the name of the system, such as the "Hansen Model." This column may not be left blank for any of the numbers provided in Column C.
- Column E — Provide the name of your department/division that is responsible for performing each of the SWMP activities listed in Column B, or provide the name of the co-permittee, private contractor, or other entity that is performing the activities on your behalf. Try to be as specific as possible by including, for example, the name of the employee responsible for a particular SWMP activity if only that employee can answer any questions concerning the activity. This column may not be left blank for any of the SWMP activities listed in Column B.
- Column F — This column allows for any brief comments you determine are necessary to explain the information you provided in Columns C, D, and E.

Section VIII: CHANGES TO STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES

- This section is to be completed, as applicable, in all permit years EXCEPT Year 4. In Year 4, any desired changes to your SWMP activities should be included in your permit re-application that is to be attached to the Year 4 Annual Report Form.
- Row A — If applicable, include in this row any requested changes to your SWMP activities that are established as specific requirements under Part III.A of your permit. Provide the permit citation/SWMP element that corresponds to the SWMP activity you want changed, describe the requested change, and provide a rationale for the change. Such changes cannot be implemented without prior approval from the Department and may require a permit revision in accordance with Rule 62-620.325, F.A.C.
- Row B — If applicable, include in this row any changes to your SWMP activities that are NOT established as specific requirements under Part III.A of your permit but rather are activities at the discretion of the permittee. Provide the permit citation/SWMP element that corresponds to the SWMP activity you have changed, describe the change, and provide a rationale for the change.



ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- Please print or type information in the appropriate areas below.

Submit the form and attachments to:
Florida Department of Environmental
Protection
Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION

A.	Permittee Name: City of Miami Beach		
B.	Permit Name: Miami-Dade County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000003-003 (Cycle 3)		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input checked="" type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
E.	Reporting Time Period (month/year): June/2015 through June/2016		
F.	Name of the Responsible Authority: Eric T. Carpenter, P.E.		
	Title: Assistant City Manager and Public Works Department Director		
	Mailing Address: 1700 Convention Center Drive, 4th Floor		
	City: Miami Beach	Zip Code: 33139	County: Miami-Dade County
	Telephone Number: 305-673-7080		Fax Number: 305-673-7028
	E-mail Address: ericcarpenter@miamibeachfl.gov		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Margarita Wells		
	Title: Environmental Resources Manager		
	Department: Environment and Sustainability Department		
	Mailing Address: 1700 Convention Center Drive, 4th Floor		
	City: Miami Beach	Zip Code: 33139	County: Miami-Dade County
	Telephone Number: 305-673-7010		Fax Number: 786-394-4595
	E-mail Address: margaritawells@miamibeachfl.gov		

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)

A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 8 (4 major outfalls) (Does this number include non-major outfalls? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: The monitoring plan is carried out through an inter-local agreement with Miami-Dade County. Please see the Miami-Dade County Annual Report for the monitoring information.
B.	Provide a brief discussion of the monitoring results to date: Please see the Miami-Dade County Annual Report for the monitoring information.
C.	Attach a monitoring data summary, as required by the permit.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: NPDES management is incorporated in the Stormwater Utility Budget. The total expenditure was \$ 7,718,291.41 <i>DEP Note: If program resources have decreased from the previous year, attach a discussion of the impacts on the implementation of the SWMP as per Part II.F of the permit.</i>
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: The Stormwater Operating Budget for the subsequent reporting year is \$ 11,017,000.00

SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

Attached	N/A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	***DEP Note: Please complete Checklists A & B at the end of the tailored form.*** Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 4 ONLY: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C.

DO NOT SUBMIT ANY OTHER MATERIALS
(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C.:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Eric T. Carpenter, P.E.

Title: Assistant City Manager and Public Works Department Director

Signature:  A ETC Date: 12/20/16

Asst. Director Public Works

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B.	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation				
	<p>Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory.</p> <p><i>DEP Note: The permittee needs to "customize" this section by adding any structural controls to the list below that are part of the permittee's MS4 currently or are planned for the future. The permittee may remove any structural controls listed that it does not have currently or will likely not have during this permit cycle. Please see the attached description of each type of structure. In addition, the permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i></p> <p>Provide an inventory of all known major outfalls covered by the permit and a map depicting the location of the major outfalls (hard copy or CD-ROM). Provide the outfall inventory and map with the Year 1 Annual Report.</p> <p>Report the number of inspection and maintenance activities conducted for each type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. If the minimum inspection frequencies set forth in Table II.A.1.a were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.</p> <p><i>DEP Note: If the minimum inspection frequencies set forth in Table II.A.1.a of the permit were not met for one or more type of structure, the permittee must provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met. Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.</i></p>				
Type of Structure	Number of Activities Performed				
	Total Number of Structures	Number of Inspections	Percentage Inspected	Number of Maintenance Activities	Percentage Maintained
Exfiltration trench / French drains (linear feet)	23,126.4	6,230.4	26.94%	6,230.4	26.94%
Pollution control boxes	158	38	26%	38	26%
Stormwater pump stations	25*	Monthly	100%	Minimum Quarterly	100%
Major stormwater outfalls	24*	0	0%	0	0%
				Documentation / Record	Entity Performing the Activity
					Comments
				GIS Sequel Server Select Queries	Public Works – Stormwater Operations
				Public Works – Stormwater Operations	Activities increased by 20.44% from previous year.
				Public Works – Stormwater Operations	Activities increased by 26% from previous year.
				Public Works – Stormwater Operations	See Attachment 1.
					No major outfalls

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
					were cleaned this reporting year. See Attachment 1.
					Weirs and other control structures are cleaned with the rest of the system, but their clean dates are not currently recorded individually.
	Weirs or other control structures	8	See comments.		
	MS4 pipes / culverts (miles)	95.3	39.29	41.2%	Activities increased by 24.8% from previous year.
	Inlets / catch basins / grates	4,852	6,102	126%	Activities increased by 124% from previous year.
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were <u>not</u> met				Attachment 1 - Explanation of Structural Controls and Stormwater Collection Systems Operation Inspection and Maintenance Program.
	Year 1 ONLY: Attach a map of all known major outfalls				
Part III.A.2	Areas of New Development and Significant Redevelopment				
	Report the number of new development and significant redevelopment projects reviewed by the permittee for post-development stormwater considerations.				
	<i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i>				
	Number of new development / significant redevelopment projects reviewed	422	Completed Review Time Report by Plan Reviewer – Public Works	Building Department / Public Works Department	Total number was estimated from building permits reviewed for new construction and alteration and remodeling/repairs > or = to \$400,000 reviewed during the reporting year.

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Provide in the Year 2 Annual Report the summary report of the review of local codes activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation of modifying codes to allow low impact design BMPs.				
	<p><i>DEP Note: Refer to Part III.A.2 of the permit for details regarding what the review entails, and what must be included in the summary report and follow-up report.</i></p> <p><i>Please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.</i></p> <p>Year 2 ONLY: Attach the summary report of the review activity</p> <p>Year 4 ONLY: Attach the follow-up report on plan implementation</p>				
Part III.A.3	Roadways				
	Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected.				
	<p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, but not by both, please remove the non-applicable reporting items.</i></p>				
	<p>PERMITTEE Litter Control Program: Frequency of litter collection</p> <p>PERMITTEE Litter Control Program: Estimated amount of area maintained (miles/day)</p> <p>PERMITTEE Litter Control Program: Estimated amount of litter collected (tons/year)</p>	<p>Daily</p> <p>176</p> <p>8,035</p>	<p>Sanitation Division Standard Operating Procedures</p> <p>NPDES Tracker – Sanitation</p>	<p>Public Works – Sanitation Division</p>	<p>The City of Miami Beach transports litter collected to the Miami-Dade County Solid Waste Management Disposal Facilities.</p>
	If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected.				
	<p><i>DEP Note: The permittee may choose its own unit of measurement for the amount of litter collected. Unit options include: bags, cubic yards, pounds, tons. If an Adopt-A-Road or similar program is not implemented by the permittee, please note that in Column F but do not remove the Adopt-A-Road Program reporting items.</i></p> <p>Trash Pick-up Events: Total miles cleaned</p> <p>Trash Pick-up Events: Estimated amount of litter collected (trash bags)</p> <p>Adopt-A-Beach Program: Total miles cleaned</p> <p>Adopt-A-Beach Program: Estimated amount of litter collected (bags)</p>	<p>106.1 (2.1 volunteer clean-ups, 104 Project Hope)</p> <p>276 (68 volunteer clean-ups, 208 Project Hope)</p> <p>0</p> <p>0</p>	<p>Volunteer Clean-Up Event Forms & Project Hope Program SOP</p> <p>NPDES Tracker – Adopt-a-Beach</p>	<p>City of Miami Beach through local non-profits</p>	<p>Main non-profit with which we partnered in past reporting years lost funding and became inactive.</p> <p>The City does not have an Adopt-A-Road</p>

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.																					
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments																					
	<p>Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen (TN) and total phosphorus (TP) loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in the Year 1 Annual Report.</p> <p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.</i></p> <p><i>DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.</i></p>				Program. The City's Adopt-a-Beach Program has been cancelled due to operational issues.																					
	<p>Frequency of street sweeping</p> <table border="1"> <tr> <td>Total miles swept (per day)</td> <td>Daily</td> <td>Sanitation Division Standard Operating Procedures</td> <td rowspan="3">Public Works – Sanitation Division</td> <td rowspan="3">Determined from six typical day's weight of street sweepings collected over one quarter.</td> </tr> <tr> <td>Estimated quantity of sweeping material collected (Kg)</td> <td>117</td> <td></td> </tr> <tr> <td>Total nitrogen loadings removed (pounds)</td> <td>1,060,769</td> <td>Calculated Nutrient Load Reductions from MS4 Maintenance Practices</td> </tr> <tr> <td>Total phosphorus loadings removed (pounds)</td> <td>1,317</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned</td> <td>844</td> <td></td> <td></td> <td>N/A</td> </tr> </table> <p>Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility.</p> <p><i>DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.</i></p>	Total miles swept (per day)	Daily	Sanitation Division Standard Operating Procedures	Public Works – Sanitation Division	Determined from six typical day's weight of street sweepings collected over one quarter.	Estimated quantity of sweeping material collected (Kg)	117		Total nitrogen loadings removed (pounds)	1,060,769	Calculated Nutrient Load Reductions from MS4 Maintenance Practices	Total phosphorus loadings removed (pounds)	1,317				Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned	844			N/A				
Total miles swept (per day)	Daily	Sanitation Division Standard Operating Procedures	Public Works – Sanitation Division	Determined from six typical day's weight of street sweepings collected over one quarter.																						
Estimated quantity of sweeping material collected (Kg)	117																									
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Total phosphorus loadings removed (pounds)	1,317																									
Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned	844			N/A																						
	Name of facility #1: Public Works Yard	Number of Inspections																								
		1	NPDES Tracker – Facility Inspections	Public Works – Environmental Division																						

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.4	Flood Control Projects				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs. <u>DEP Note:</u> A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment. <u>DEP Note:</u> The status of the flood control and retrofit projects should be reported as of the last day of the applicable reporting period. Therefore, there should be no duplication for those reported as planned, for those reported as under construction and for those reported as completed. <u>DEP Note:</u> If applicable, please provide the title of the attached list of flood control projects that did not include stormwater treatment in Column D and the name of the entity who finalized the list in Column E.				
	Flood control projects completed during the reporting period	3 (2 Public Works, 1 CIP)			
	Flood control projects completed during the reporting period that did <u>not</u> include stormwater treatment	0			
	ATTACH a list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it was not	38 (27 Public Works, 11 CIP)	CIP Office List for Environmental Division List/Public Works Projects List	CIP Department / Public Works Department	All of the City's flood control projects include stormwater treatment. In July 2013, the City began an aggressive stormwater infrastructure upgrade program as part of its sea level rise adaptation strategy.
	Stormwater retrofit projects under construction during the reporting period	12 (7 Public Works, 5 CIP)			
	Stormwater retrofit projects completed during the reporting period	3 (2 Public Works, 1 CIP)			
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
	Annually review (and revise, as needed) and implement the permittee's written procedures for inspections and the implementation of measures to control discharges from the following facilities that are not otherwise covered by an NPDES stormwater permit: <ul style="list-style-type: none"> • Operating municipal landfills; • Municipal waste transfer stations; • Municipal waste fleet maintenance facilities; and • Any other municipal waste treatment, waste storage, and waste disposal facilities. Report the number of applicable facilities and the number of the inspections conducted for each facility. <u>DEP Note:</u> The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities,				

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments

DEP Form 62-624.600(2), Effective January 28, 2004

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B.	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	Permit Requirement/Quantifiable SWMP Activity				
	CONTRACTORS: Green Industry BMP Program training completed	4 in 2 companies	NPDES - Landscape Maintenance Contractors for Greenspace 2016	Public Works - Greenspace Division	SFM Services, LLC was the only company that did not have staff trained in BMPs.
	<p>Pursuant to SB 2080 (2009), all local governments are encouraged to adopt a Florida-friendly Landscaping Ordinance similar to the one set forth in the document "Florida-friendly Guidance Models for Ordinances, Covenants and Restrictions." If the broader Florida-friendly ordinance described above is not adopted, then all local governments within the watershed of a nutrient-impaired water body shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes pursuant to SB 494 (2009) or an ordinance that includes all of the requirements set forth in the Model Ordinance. The ordinance shall be adopted within 24 months of the date of permit issuance. Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report.</p> <p><u>DEP Note:</u> If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, then please indicate that in Column F, but do not remove this reporting item.</p> <p><u>DEP Note:</u> Please provide the title and citation of the ordinance in Column D, and the name of the entity who finalized the ordinance in Column E.</p>				
	Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance				
	<p>During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). Activities performed under the Florida Yards and Neighborhoods (FYN) program should only be reported if the permittee is contributing funding towards the FYN staff and program within its jurisdiction.</p> <p><u>DEP Note:</u> The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items please include in Column F an explanation for why no outreach was performed.</p> <p><u>DEP Note:</u> Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.</p> <p><u>DEP Note:</u> Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities. In addition, please complete the following line:</p> <p>FYN PROGRAM FUNDING: Permittee Provides Funding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Amount of Funding = \$</p>				
	Estimated percentage of the population reached by the activities in total	50%		Environment and Sustainability Department / Communications	This estimate takes into consideration that the City's

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	<p>Neighborhood presentations: Number conducted</p> <p>Neighborhood presentations: Number of participants</p> <p>Newspapers & newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>Seminars/Workshops: Number conducted</p> <p>Seminars/Workshops: Number of participants</p> <p>Special events: Number conducted</p>	0	Recycling Outreach Tracker and Communications Statistics	Department	outreach and education activities extend to residents, local visitors and national/international tourists.
		0		Environment and Sustainability Department	Environmental Division incorporates stormwater and water quality into all Division events.
		65,000 Quarterly		Communications Department	MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
		155,000 Readers Quarterly			Pollution Prevention Board or other stormwater quality information is included when Division tables at all events.
		0		Environment and Sustainability Department	Environmental Division incorporates stormwater and water quality into all Division events.
		0		Communications Department	
		0		Environment and Sustainability Department	
		0		Environment and Sustainability Department	
		0		Environment and Sustainability Department	
		0		Environment and Sustainability Department	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Special events: Number of participants	0			stormwater quality information is included when Division tables at all events.
	Web Site: Number of hits / visitors to the stormwater-related pages	1,253		Environment and Sustainability Department	
Part III.A.7.a	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures				
	Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. Report amendments, as needed.				
	<i>DEP Note: If applicable, please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.</i>				
	ATTACH a report on any amendments to the applicable legal authority				
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken.				
	<i>DEP Note: If "0" is reported in Column C for the first reporting item, please include an explanation in Column F for why no proactive inspections were performed. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.</i>				
	<i>DEP Note: Proactive inspections may include, for example, suspect areas (e.g., industrial areas), commercial businesses (e.g., restaurants, car washes, service stations, laundries / dry cleaners, auto body shops, mobile carpet cleaners) or temporary activities (e.g., special events / fairs / circuses) that would not otherwise be inspected during routine inspections and maintenance of the MS4, in association with high risk industrial facilities or construction sites, or in response to citizen or staff reports.</i>				
	<i>DEP Note: Miami-Dade County is to report the ONLY the proactive inspections it performed in the unincorporated areas of Miami-Dade County – any proactive inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. The co-permittees may report the IWP inspections performed by Miami-Dade County in their jurisdictions only if the inspections included looking for illicit discharges / connections / dumping to the MS4. Each co-permittee is to report the Miami-Dade County proactive inspections in their jurisdiction separately from the proactive inspections that the co-permittee performed itself.</i>				
	<i>DEP Note: Refer to Part III.A.7.c of the permit for what must be included in the written proactive inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.</i>				
	Proactive inspections performed by Miami-Dade County on behalf of a co-permittee for suspected illicit discharges / connections / dumping	38	Miami Beach – Priority Inspection List	Miami-Dade County RER	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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	Proactive inspections performed by the permittee for suspected illicit discharges / connections / dumping	12	Search Complaints Report, NPDES Tracker – SW Inspections, and Miami Beach – Priority Inspection List	Code Compliance and Public Works – Right-of-Way Division	Code Compliance patrols our alleys daily for biohazard violations, including grease, dumpster, and litter violations. Miami Dade county numbers for violations found during proactive inspection were combined with reactive inspection data and were therefore reported as the same number.
	Illicit discharges / connections / dumping found during a proactive inspection	7 (4 by MDC, 3 by CMB ROW)		Code Compliance and Public Works – Right-of-Way Division and Miami-Dade County RER	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	81 (76 by MDC, 5 by CMB)		Code Compliance and Public Works – Right-of-Way Division and Miami-Dade County RER	
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	4 (0 by MDC, 4 by CMB ROW)		Code Compliance and Public Works – Right-of-Way Division and Miami-Dade County RER	
	Year 1 ONLY: Attach the written proactive inspection program plan				
Annually review (and revise, as needed) and implement the permittee's written procedures to conduct reactive investigations to identify and eliminate the source(s) of illicit discharges, illicit connections or improper disposal to the MS4, based on reports received from permittee personnel, contractors, citizens, or other entities regarding suspected illicit activity. Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.					
DEP Note: If the number of reports received differs from the number of reactive investigations, please provide an explanation for the discrepancy in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.					
Reports of suspected illicit connections / discharges / dumping received		65 (4 by MDC, 47 by CMB Code, 14 by CMB ROW)	Search Complaints Report, NPDES Tracker – SW Inspections	Code Compliance and Public Works – Right-of-Way Division	City staff investigates all reports of suspected illicit connections/disc harges/dumping received. Please note that the City launched a new
Reactive investigations of reports of suspected illicit discharges/ connections / dumping		65 (4 by MDC, 47 by CMB Code, 14 by CMB ROW)	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service		

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B.	C.	D.	E.	F.
Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
<p>Illicit discharges / connections / dumping found during a reactive investigation</p> <p>Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation</p> <p>Fines issued for illicit discharges / connections / dumping found during a reactive investigation</p>	<p>During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, fleet maintenance staff, and inspectors) and contractors to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges / connections / dumping to the MS4. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training).</p> <p><i>DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.</i></p>	127 (76 by MDC, 44 by CMB Code, 7 by CMB ROW)	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports		reporting system this year which may have contributed to the low number of reports received.
		126 (76 by MDC, 44 by CMB Code, 6 by CMB ROW)	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports		
		46 (0 by MDC, 43 by CMB Code, 3 by CMB ROW)	Search Complaints Report		
	<p><i>DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.</i></p>	Initial Training	Refresher Training	Attendance List from Project Manager Training	Environment and Sustainability Department
		29	0		
		Contractors trained			
		0	0		During the reporting year, the City trained contractors on BMPs when responding to violations and during construction site

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Annually review (and revise, as needed) and implement the permittee's written spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that discharge into the MS4. Report on the spill prevention and response activities, including the number of spills addressed. If a permittee relies on the Miami-Dade County Fire Department to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.				
	<i>DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills.</i>				
	Hazardous and non-hazardous material spills responded to	162	NPDDES Report – Fire Department	Fire Department	
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training).				
	<i>DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.</i>				
	Personnel trained	Initial Training	Refresher Training		
	0	See comments.	Miami Beach Fire Dept Haz-Mat Training	Fire Department	This year the City tracked the total number of hazmat training hours instead of the total number of staff trained. The entire Fire Department force received 2,430.5 of different hazmat training.
	Contractors trained	0	0	N/A	N/A
	The City does not utilize contractors to respond to hazardous spills.				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B.	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
Part III.A.7.e	Permit Requirement/Quantifiable SWMP Activity				
	Illicit Discharges and Improper Disposal — Public Reporting				
	<p>During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. If a permittee relies on the 24-Hour Miami-Dade County hotline as its telephone line for citizen reporting, the permittee shall publicize the existence of the 24-Hour Miami-Dade County pollution complaint hotline number on a routine basis. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).</p> <p><i>DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. If the permittee relies on the 24-Hour Miami-Dade County hotline, the reporting item of "Publicize the Miami-Dade County Pollution Complaint Hotline" must also remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.</i></p> <p><i>DEP Note: Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>				
	Estimated percentage of the population reached by the activities in total				
		50%		Environment and Sustainability Department / Communications Department	This estimate takes into consideration that the City's outreach and education activities extend to residents, local visitors and national/international tourists.
		5	Recycling Outreach Tracker and Communications Statistics	Environment and Sustainability Department	Environmental Division incorporates stormwater and water quality into all Division events.
		167			
		65,000 Quarterly	Recycling Outreach Tracker and Communications Statistics	Communications Department	MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
		155,000 Readers Quarterly			
	<p>Newspapers & newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p>				
	<p>Neighborhood presentations: Number conducted</p> <p>Neighborhood presentations: Number of participants</p>				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Public displays (e.g., kiosks, storyboards, posters, etc.)	0		Environment and Sustainability Department	Pollution Prevention Board or other stormwater quality information is included when Division tables at all events.
	Radio or television Public Service Announcements (PSAs)	2 anti-litter PSAs that aired 50 times and 24 times respectively		Communications Department	
	Seminars/Workshops: Number conducted	16			Pollution Prevention Board or other stormwater quality information is included when Division tables at all events.
	Seminars/Workshops: Number of participants	374			
	Special events: Number conducted	3			
	Special events: Number of participants	300		Environment and Sustainability Department	
	Web Site: Number of visitors to the stormwater-related pages	6,146			
Part III, A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	<p>During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage the proper use and disposal of used motor vehicle fluids, leftover hazardous household products, and lead acid batteries. On a routine basis, inform the public of the locations of collection facilities for these materials, including a description of the types of materials accepted and the hours of operation. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).</p> <p><u>DEP Note:</u> The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting items of "Estimated percentage of the population reached by the activities in total" and "Publicize the Miami-Dade County Home Chemical Collection Program" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.</p> <p><u>DEP Note:</u> Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.</p>				
	Estimated percentage of the population reached by the activities in total	50%		Environment and Sustainability Department /	This estimate takes into consideration

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	Publicize the Miami-Dade County Home Chemical Collection Program			Communications Department	that the City's outreach and education activities extend to residents, local visitors and national/internati onal tourists.
		830			The City only publicizes this program through the Public Works – Sanitation Division Hazardous Waste website, which logged 830 views in this reporting year.
		5			Environmental Division
		167		Environment and Sustainability Department	incorporates stormwater and water quality into all Division events.
		65,000 Quarterly			MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
		155,000 Readers Quarterly	Recycling Outreach Tracker and Communications Statistics	Communications Department	Pollution Prevention Board or other stormwater quality information is included when Division tables at all events.
	Public displays (e.g., kiosks, storyboards, posters, etc.)	0		Environment and Sustainability Department	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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	<p>Radio or television Public Service Announcements (PSAs)</p> <p>Seminars/Workshops: Number conducted</p> <p>Seminars/Workshops: Number of participants</p> <p>Special events: Number conducted</p> <p>Special events: Number of participants</p>	<p>0</p> <p>16</p> <p>374</p> <p>3</p>		<p>Communications Department</p> <p>Environment and Sustainability Department</p>	<p>Pollution Prevention Board or other stormwater quality information is included when Division tables at all events.</p>
Part III.A.7.g	<p>Web Site: Number of visitors to the stormwater-related pages</p> <p>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</p>	<p>4,350</p>			
	<p>Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate sanitary wastewater contamination into the MS4, including discharges to the MS4 from sanitary sewer overflows (SSOs) and from inflow / infiltration from collection / transmission systems and/or septic tank systems. Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in the MS4. Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction.</p> <p><i>DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting / overseeing septic tank systems.</i></p> <p><i>DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.</i></p>	<p>SSO incidents discovered</p> <p>20</p> <p>SSO incidents resolved</p> <p>20</p> <p>Inflow / infiltration incidents discovered</p> <p>See comments.</p> <p>Inflow / infiltration incidents resolved</p> <p>See comments.</p>	<p>SSO Incident Reports and Files</p> <p>Environment and Sustainability Department</p>	<p>Public Works – Engineering Division</p>	<p>Miami-Dade County WASHD documented 0 SSO incidents for this reporting year.</p> <p>The City has been proactive in its approach to mitigating I&I into the sanitary sewer since 1993. In October 2016, the City completed Phase III</p>

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.8.a	Name of owner of the sanitary sewer system				
	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections	Miami-Dade County WASD			
	<p>Continue to maintain an up-to-date inventory of all existing high risk facilities discharging into the permittee's MS4. The inventory shall identify the outfall and surface water body into which each high risk facility discharges. For the purposes of this permit, high risk facilities include:</p> <ul style="list-style-type: none"> • Operating municipal landfills; • Hazardous waste treatment, storage, disposal and recovery facilities; • Facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and • Any other industrial or commercial discharge that the permittee determines is contributing a substantial pollutant loading to the permittee's MS4. This could include facilities identified through the proactive inspection program as per Part III.A.7.c of the permit. <p>Report on the high risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note: The TRI is updated every spring / summer by the U.S. EPA at http://iaspub.epa.gov/trieplorer/tri_release_facility. Select "Facility" on the left, choose your Geographic Location, and then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.</i></p> <p><i>DEP Note: The total number of high risk facilities reported needs to equal the sum of the numbers of the four types of applicable facilities.</i></p> <p>During Year 1 of the permit, develop and implement a written plan for conducting inspections of high risk facilities to determine compliance with all appropriate aspects of the stormwater program. While the permittee may determine the order and frequency of the inspections, the permittee shall inspect each identified facility at least once during the permit term; however, facilities identified as high risk due to the findings of the proactive inspection program as per Part III.A.7.c of the permit shall be inspected annually. Report on the high risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken. If a</p>				(Implementation and Completion of Corrective Action Plan) of its Second Cycle Sanitary Sewer Evaluation Survey in accordance with an EPA Consent Decree. The final Rehabilitation Report has been submitted to DERM and EPA and is appended to this report as Attachment 3.

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p>permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note: If "0" is reported for the number of inspections conducted and the permittee has one or more high risk facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.</i></p> <p><i>DEP Note: Miami-Dade County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Miami-Dade County – the inventory of high risk facilities located in the co-permittees' jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Miami-Dade County that pertains to its jurisdiction.</i></p>				
	<p><i>DEP Note: Miami-Dade County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Miami-Dade County – the inventory of high risk facilities located in the co-permittees' jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Miami-Dade County that pertains to its jurisdiction.</i></p>				
	<p>Total high risk facilities</p> <p>0</p>	<p>Number of Facilities</p> <p>0</p>	<p>Number of Inspections</p> <p>0</p>	<p>For violations discovered during a high risk inspection</p> <p>Fines issued</p> <p>0</p>	<p>Notices of Violation (NOVs) / warning letters / citations issued</p> <p>0</p>
	<p>New high risk facilities added to the inventory during the current reporting period</p> <p>0</p>				
	<p>Operating municipal landfills</p> <p>0</p>				
	<p>Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities</p> <p>0</p>				
	<p>EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)</p> <p>0</p>				
	<p>Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c</p> <p>0</p>				
	<p>Other facilities determined as high risk by the permittee (that are not facilities identified through the proactive inspections)</p> <p>0</p>				
Part III.A.8.b	<p>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</p>				
	<p>Sampling of the discharge to the stormwater system may be required on an as-needed basis in the event that inspections of high-risk facilities disclose suspected illicit discharges to the MS4. New high-risk industrial facilities as defined in 40 CFR 122.26(d)(2)(iv)(C) must be evaluated to determine if the new discharge is contributing a substantial pollutant load to the MS4. The evaluation may include site-specific monitoring. Report the number of high risk facilities sampled. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note: Miami-Dade County is to report ONLY the number of high risk facilities in the unincorporated areas of Miami-Dade County that were sampled – the high risk facilities located in the co-permittees' jurisdictions that were sampled by the County are to be reported by the co-permittees.</i></p>				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	High risk facilities sampled	N/A		Miami-Dade County RER	There are no high risk facilities in the City of Miami Beach as of November 2016.
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices				
	Continue to implement the local codes or land development regulations and the written pre-construction site plan review procedures that require the use and maintenance of appropriate structural and non-structural erosion and sedimentation controls during construction to reduce the discharge of pollutants to the MS4. Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.				
	<i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i>				
	PERMITTEE SITES: Construction site plans reviewed	86	Pending Plan Review Trackers 2015 and 2016		A Public Works review is only triggered for projects that based on location or scope have the potential to impact the ROW.
	PERMITTEE SITES: Construction site plans approved	48			
	PRIVATE SITES: Construction site plans reviewed	422	Public Works Completed Review Time Report by Plan Reviewer from Building Department	Public Works -- Engineering Division	
	PRIVATE SITES: Construction site plans approved	161			
	Annually review (and revise, as needed) and implement the permittee's written procedures to notify all new development / redevelopment permit applicants notified of the ERP and CGP, and the number of obtain all required stormwater permits. Report the number of new development/redevelopment permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	<i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. If the number of applicants notified of ERP or CGP coverage is less than the number of construction site plans reviewed, please provide an explanation for the discrepancy in Column F.</i>				
	Notified of ERP stormwater permit requirements				The Public Works -- Engineering Division staff verifies all projects have received DERM approval, the process through which each project is notified of ERP and CGP requirements.
	Confirmed ERP coverage				
	Notified of CGP stormwater permit requirements				
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement				
	As an attachment to the Year 1 Annual Report, the permittee shall submit a written plan that details the standard operating procedures for implementation of the stormwater, erosion and sedimentation inspection program for construction sites discharging stormwater to the MS4. The permittee shall implement the plan for inspecting				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.					
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments					
	<p>construction sites immediately upon written approval by the Department. Prior to Department approval, the permittee shall continue to perform inspections in accordance with its previously developed construction site inspection procedures. Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.</p> <p><i>DEP Note: If "0" is reported in Column C for the number of inspections conducted, please provide an explanation in Column F of why no inspections were conducted. If the number of inspections reported is equal to or less than the number of active construction sites, or the percentage inspected is less than 100%, please provide an explanation in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.</i></p> <p><i>DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.</i></p>									
	<p>PERMITTEE SITES: Active construction sites</p> <p>PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs</p> <p>PERMITTEE SITES: Percentage of active construction sites inspected</p>	<table border="1"> <tr> <td>12</td><td>CIP/PW Projects Spreadsheet</td><td rowspan="2">Public Works – Right-of-Way Division / CIP Department</td><td rowspan="2">This number was estimated based on the number of CIP projects active during the reporting year.</td></tr> <tr> <td>36</td><td></td></tr> </table>	12	CIP/PW Projects Spreadsheet	Public Works – Right-of-Way Division / CIP Department	This number was estimated based on the number of CIP projects active during the reporting year.	36		Public Works – Right-of-Way Division / CIP Department	The ROW Division conducts an average of 3 inspections of each active construction site during the life of the project. Additionally, each project is assigned a resident project inspector to conduct more frequent/regular inspections.
12	CIP/PW Projects Spreadsheet	Public Works – Right-of-Way Division / CIP Department	This number was estimated based on the number of CIP projects active during the reporting year.							
36										
	<p>PRIVATE SITES: Active construction sites</p>	100%	Public Works – ROW Division Standard Operating Procedure							
		1133	Private Run-off Activities / Projects / Developments / Records	Public Works – Right-of-Way Division	This number was estimated based on the number of active ROW permits minus the number of CIP projects					

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B.	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments														
Permit Requirement/Quantifiable SWMP Activity PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs PRIVATE SITES: Percentage of active construction sites inspected	Notices of Violation (NOVs) / warning letters / citations issued Stop Work Orders issued Fines issued	<div>3,399</div> <div>100%</div>	<div>Public Works – ROW Division Standard Operating Procedure</div> <div>NPDES Tracker – SW Inspections</div> <div>NPDES Tracker – SW Inspections</div>	<div>Building Department / Code Compliance</div>	<div>active during the reporting year.</div> <div>The ROW Division conducts an average of 3 inspections of each active construction site during the life of the project.</div> <div>This number was based on the number of construction site run-off inspections issued violations via Code Compliance and logged by the Environmental Division.</div>														
Part III.A.9.c Construction Site Runoff — Site Operator Training	Year 1 ONLY: Attach the written construction site inspection program plan																		
<p>During Year 1 of the permit, develop and implement a written plan for stormwater training / outreach for construction site plan reviewers, site inspectors and site operators. Provide training for permittee personnel (employed by or under contract with the permittee) involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. Also provide training for private construction site operators. All permittee inspectors (employed by or under contract with the permittee) of construction sites shall be certified through the Florida Stormwater, Erosion and Sedimentation Control Inspector Training program, or an equivalent program approved by the Department. Refresher training shall be provided annually. Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training), and the number of private construction site operators trained by the permittee.</p> <p><i>DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private construction site operators during the applicable reporting year.</i></p> <p><i>DEP Note: The permittee should report only the number of staff and private construction site operators trained / certified during the applicable reporting year, and then note in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.</i></p> <table border="1"> <thead> <tr> <th>Permittee construction</th> <th>Certification Training</th> <th>Initial Training (non-certification)</th> <th>Refresher Training</th> <th>Attendance List</th> <th>Environment and</th> <th>Environmental</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>6</td> <td>0</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Permittee construction	Certification Training	Initial Training (non-certification)	Refresher Training	Attendance List	Environment and	Environmental	0	0	6	0			
Permittee construction	Certification Training	Initial Training (non-certification)	Refresher Training	Attendance List	Environment and	Environmental													
0	0	6	0																

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity			C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	site inspectors					Sustainability Department	met with the inspection program points of contact from each department to review and train them in their respective SOPs. Additionally environmental trained the project managers from all departments on site plan review and construction plan inspection procedures. In Year 6, the City is planning to develop an online training module required for all City staff. The City did not provide a training program for contractors this reporting year. In future years, we will be looking to train contractors and private construction operators at least once per year.
	Permittee construction site plan reviewers	0	35	0			
	Permittee construction site operators	0	0	0			
	Private construction site operators	0	0				

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

A. Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY. <i>DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.</i>
B. Permit Citation/ SWMP Element	Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) <i>DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.</i>

CHECKLIST A: ATTACHMENTS TO BE SUBMITTED WITH THE ANNUAL REPORTS

Below is a list of items required by the permit that may need to be attached to the annual report. Please check the appropriate box to indicate whether the item is attached or is not applicable for the current reporting period. Please provide the number and the title of the attachments in the blanks provided.

Attached	N/A	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part II.F	EACH ANNUAL REPORT: If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.1	EACH ANNUAL REPORT: An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.	1	Explanation of Structural Controls and Stormwater Collection Systems Operation Inspection and Maintenance Program
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.4	EACH ANNUAL REPORT: A list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it did not, if applicable.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.7.a	EACH ANNUAL REPORT: A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.B.9	EACH ANNUAL REPORT: Reporting and assessment of monitoring results. [Also addressed in Section III of the Annual Report Form]		Provided by Miami-Dade County
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part VI.B.2	EACH ANNUAL REPORT: An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, <u>at a minimum</u> , must include responses to the questions listed in the permit.	2	Evaluation of the SWMP
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part VIII.B.3.e	EACH ANNUAL REPORT: A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part VIII.B.4.f	EACH ANNUAL REPORT after approval of the BPCP: The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.1	YEAR 1: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.3	YEAR 1: If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.6	YEAR 1 or YEAR 2: A copy of the adopted Florida-friendly Ordinance, if applicable.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.7.c	YEAR 1: A proactive illicit discharge / connection / dumping inspection program plan.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.9.b	YEAR 1: A construction site inspection program plan. [For approval by DEP]		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.2	YEAR 2: A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.A.2	YEAR 3: Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.2	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.A.3	YEAR 4: If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.B.3	YEAR 4: The monitoring plan (with revisions, if applicable).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part VII.C	YEAR 4: An application to renew the permit.		

CHECKLIST B: THE REQUIRED ANNUAL REVIEWS OF WRITTEN STANDARD OPERATING PROCEDURES (SOPs) & PLANS

The permit requires annual review, and revision if needed, of written Standard Operating Procedures (SOPs) and plans (e.g., public education and outreach, training, inspections). Please indicate your review status below. If you have made revisions that need DEP approval, you must complete Section VIII.A of the annual report.

Did not complete review of existing SOP / Plan	Developed new written SOP / Plan	Reviewed & no revision needed to existing SOP / Plan	Reviewed & revised existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.2	SOP for development project review and permitting procedures and/or local codes and regulations for new development / areas of significant development.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for the litter control program.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for the street sweeping program.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.6	SOP for reducing the use of pesticides, herbicides and fertilizer, and for the proper application, storage and mixing of these products.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	Plan for proactive illicit discharge / connections / dumping inspections.*
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	Plan for illicit discharge training.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.d	SOP for spill prevention and response efforts.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.d	Plan for spill prevention and response training.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.e	Plan for public education and outreach on how to identify and report the illicit discharges and improper disposal to the MS4.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.8	SOP for inspections of high risk industrial facilities.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.9.b	Plan for inspections of construction sites.*
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.9.c	Plan for stormwater, erosion and sedimentation BMPs training.

* Revisions to these plans require DEP approval – please complete Section VIII.A of the annual report.

REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED SEPARATELY FROM AN ANNUAL REPORT

Rule / Permit Citation	Report Title	Due Date
Part VIII.B.3.a	6 MONTHS from effective date of permit: TMDL Prioritization Report.	12/21/11
Part VIII.B.3.b	12 MONTHS from effective date of permit: TMDL Monitoring and Assessment Plan.	6/21/12
Part VIII.B.3.c	6 MONTHS from receiving analyses from the lab: TMDL Monitoring Report.	TBD
Part VIII.B.4	30 MONTHS from effective date of permit: A Bacterial Pollution Control Plan (BPCP).	12/21/13

**END OF REVISED TAILORED MS4 AR FORM
CYCLE 3 PERMIT**

Part III.A.1 Explanation of Structural Controls and Stormwater Collection Systems Operation Inspection and Maintenance Program

The Public Works Department, Stormwater Operations Division (Operations) is responsible for inspecting and maintaining the City's Municipal Separate Storm Sewer System (MS4). The City's MS4 operation inspection and maintenance program uses a combination of contractor and City staff efforts to strategically clean the system basin-by-basin, addressing all structures within a basin from east to west within a one-year period with the goal of cleaning the entire system once per year. Per cleaning event, City staff creates a cleaning work order which includes the basin area to be cleaned, the structures within that basin, and an inspection form. The City's work order system in Cityworks allows the City to track these activities in GIS. The City's GIS database is then reviewed and analyzed at the end of each reporting year to provide the information requested in the Annual Report form.

The City uses as-builts, which are required to be submitted by each City contractor after final completion of a project so we can maintain an accurate inventory of our stormwater system. However, the quick speed at which the City is retrofitting our aging stormwater system combined with project-specific issues that prevent projects from reaching final completion have resulted in a substantial lag between the time a new portion of our system becomes operational and when it is updated into our GIS database. As such, our GIS database appears to be substantially out of date and does not accurately reflect the changes made to our stormwater system since 2013. Furthermore, the data stored therein does not accurately reflect the success of our inspection and maintenance efforts within this reporting year.

When we queried our stormwater inventory, the total number of major outfalls and pump stations do not show changes we know have occurred in the past reporting year. For example, only 24 major outfalls show up in our data when anecdotally we know of 4 new major outfalls that have completed construction in Year 5. Similarly, our GIS database reports we have 15 pump stations when we know we have over 25 pump stations in operation. In order to more accurately reflect the actual status of our system, in this report we listed the number of major outfalls and of pump stations based on anecdotal data obtained from the Public Works and Capital Improvement Program project managers who had projects completed during the reporting year. We also verified the overall cleaning frequency of the entire system using the invoices received from our cleaning contractor. In the coming year we will be working with the newly hired GIS Manager to ensure we have an accurate and more up-to-date inventory of our stormwater GIS database so we can rely solely on the GIS data queried for our report.

Last reporting year Operations increased the inspection and maintenance frequency of the entire stormwater system from once every three years to once every year, taking into account the cleaning frequencies for each structure as specified by our NPDES permit. This reporting year Operations worked diligently to meet that frequency. While we did not meet the cleaning frequencies for major outfalls, we successfully cleaned 80% of the system with substantial increases in the inspection and maintenance frequency of each structure type as observed in the report. This represents a substantial improvement from previous reporting years, including Year 4.

Part VI.B.2 Evaluation of the SWMP

Have stormwater pollutant loadings discharged from the MS4 decreased? Why or why not?

Per an Interlocal Agreement between Miami-Dade County and the City of Miami Beach, the County regularly collects water quality samples on behalf of the City and annually produces a Surface Water Quality Discussion and Analysis report. Per the report, the Annual Geometric Mean of stormwater pollutant loadings for the Southern North Bay region, the area corresponding to the City of Miami Beach's stormwater discharges, in this reporting year measured as follows:

- Chlorophyll-a – 1.1 ug/l. Chlorophyll-a levels decreased by 0.15 ug/l since 2015 and met the established sampling limits of 1.1 ug/l.
- Total nitrogen (TN) – 0.29 mg/l. TN levels increased by 0.058 mg/l since 2015 but remained within the established sampling limits of 0.29 mg/l.
- Total phosphorous (TP) – 0.01 mg/l. TP levels increased by 0.001 since 2015 but remained within the established sampling limits of 0.01 mg/l.

The City of Miami Beach MS4 discharges into Biscayne Bay, as well as Indian Creek, Collins Canal and other Biscayne Bay tributaries. However, the closest sampling stations to Miami Beach are BB14, BB17 and BB24, all of which are located in the center of Biscayne Bay more than a couple hundred feet off our shores. By the time water from our system reaches the existing sampling stations, it is substantially diluted by the movement of surface water through currents and tides that its pollutant concentrations do not accurately represent pollutant loadings from our system.

Based on the results of this report, which show the Southern North Bay region is in compliance for chlorophyll-a, total nitrogen and total phosphorous, the County is not proposing any changes to the existing monitoring plan at this time. However, since 2014, the City has been working with the County on executing a second Interlocal Agreement with the County to expand the sampling program by adding stations closer to and within the Miami Beach waterways. Data from such an expanded sampling program will give the City better insight into the quality of our waterways so we can determine what, if any, pollutants we need to target more aggressively as part of our SWMP.

Which components of the SWMP are working well and are effective in reducing stormwater pollutant loadings? Why are they effective?

The components of the City of Miami Beach's Stormwater Management Program that are working well and are effective in reducing stormwater pollutant loadings include:

1. Structural Controls and Stormwater Collection System Operation
 - a. This reporting year the City substantially increased the maintenance and inspection frequency of our stormwater system, completing cleaning of 80% of the stormwater system. Additionally, the City acquired three new vacuum trucks, two

of which are dedicated to stormwater maintenance activities and allowed the City to increase frequency of pump station cleaning in higher density/heavier pollutant loading areas from quarterly to monthly.

2. Flood Control Projects

- a. The City is in the process of upgrading its aging stormwater infrastructure through an aggressive program that includes pump stations, tide flex valves, swale reclamation and other improvements. In the design of these flood management projects, the City is incorporating innovative stormwater treatment strategies to meet or exceed current Environmental Resource Permit rules of the South Florida Water Management District, including a three-step treatment process that removes large floatables, oils and grease, and total suspended solids prior to discharge. The City is also leveraging its stormwater infrastructure program to educate the public on stormwater issues.

3. Illicit Discharges and Improper Disposal

- a. The City completed \$2.8 million in sanitary sewer system repairs that will reduce cross-contamination associated with the City's aging infrastructure and improve the quality of our stormwater discharges. This substantive rehabilitation work conducted as part of the City's Second Cycle Sanitary Sewer Evaluation Survey is detailed in a report titled Phase III Implementation and Completion of Corrective Action Plan Final Rehabilitation Report.
- b. This reporting year, the City maintained a waterway cleaning frequency of three times per week, removing nearly 100,000 pounds of debris from our waterways in the reporting year.
- c. The City added an Environmental review and sign-off required for all public and private projects to ensure proper sediment and erosion controls are included in all project plans. As part of this review, the Environment and Sustainability Department also makes recommendations on how green infrastructure can be incorporated to improve stormwater quality.
- d. The City created a proactive grease inspection program with a dedicated City grease inspector that works in coordination with the County's grease program to reduce the potential for SSOs. The City also hired two new stormwater inspectors and a third-party environmental inspector to proactively inspect the city, focused on reducing illicit discharges into our stormwater system. Furthermore, the Environment and Sustainability Department trained 35 project managers from various departments on environmental permitting and how to identify/report environmental/stormwater violations and trained key Public Works staff and the contractors that are constructing the majority of their projects on how to prevent environmental/stormwater violations.

4. Public Reporting

- a. The Environment and Sustainability Department in conjunction with the Communications Department, works diligently to inform and educate the public regarding stormwater issues and BMPs. The City's public reporting program uses

various communication mediums, including MBTV programming, MB Magazine articles, the City's website, e-newsletters, social media, and educational events, to reach the wide variety of audience groups that live in or visit the area. This reporting year the City launched an anti-litter campaign that has been extremely successful at reducing litter citywide.

- b. The Environment and Sustainability Department has successfully increased attendance at its bi-annual household hazardous waste collection events and reduced the quantity of household hazardous waste that is improperly or illegally disposed throughout the City.

Which components of the SWMP are not working well and need to be revised to make them more effective in reducing stormwater pollutant loadings?

All elements of the City's SWMP work on some level to reduce stormwater pollutant loadings; however, the City has identified room for improvement in several areas and will work to address them in the coming reporting year. Additionally, in the coming reporting year, the City will be engaging stakeholders in a "Walk the Waterbody" to identify areas in which we can improve our stormwater management, as well as a third-party technical expert to conduct a full analysis of our SWMP to provide a report card of all of its elements.

1. Structural Controls and Stormwater Collection System Operation

- a. The Public Works Department, GIS Division is responsible updating the City's MS4 inventory using as-built plans upon project final completion. However, the current process for updating the GIS database is not current with the completion and operation of individual structures. This limits City staff's knowledge regarding the configuration of the system which is critical in making management, operation, and enforcement decisions. As such, the City will be working to update our GIS database and associated processes to improve the speed at which this database is updated to reflect real-time conditions.

2. Illicit Discharges and Improper Disposal

- a. The Public Works Department and the Capital Improvements Program Department staff manage and inspect public construction projects throughout the City. As we continue the implementation of our aggressive sea level rise adaptation plan, these Departments will manage an increased number of projects. Therefore, in the next reporting year, the City will be hiring two new full-time environmental inspectors to oversee environmental regulatory compliance on construction sites, focused on proactively monitoring the City and preventing stormwater violations such as construction site run-off. Additionally, the City will be updating construction site inspection SOPs and training inspectors in the Building, Public Works, CIP and Environmental Departments on the revised SOPs for identifying, reporting and responding to environmental/stormwater violations.
- b. The Public Works Department, Right-of-Way Division, the Environment and Sustainability Department and the Building Department, Code Compliance

Division are responsible for conducting proactive and reactive inspections to detect, record, and address illicit discharges and improper disposal into the MS4. Their staff is regularly trained in identifying and reporting illicit discharges and improper disposal. However, the remaining staff in these departments remains an untapped asset in identifying and reporting these violations. In the next reporting year, the City will be training all field personnel and will develop an online training module that is required for all City staff so they are also receiving regular NPDES training. Additionally, the City will be training all plan reviewers on how to properly confirm adequate sediment and erosion control measures are shown on public and private project plans.

Which components of the SWMP do not contribute to reducing stormwater pollutant loads and could be revised or eliminated, and why?

1. Municipal Waste Treatment, Storage, or Disposal Facilities Not Covered by an NPDES Stormwater Permit - The City of Miami Beach does not have any municipal waste treatment sites. For this reporting year, the City included the Green Waste Facility (2800 Meridian Avenue). This facility is a transfer site for yard waste. There are no drainage structures within this facility thus; it has neither a positive or negative impact on the City's MS4. Please advise if it should be included as an existing facility.
2. Industrial and High-Risk Runoff. There are no existing high risk facilities in the City's jurisdiction. The City will continue to monitor; however, Part III.A.8.b could be reduced to every four years.

Is the monitoring program providing data that can be used to assess the effectiveness of the SWMP in reducing stormwater pollutant loadings, assess the effectiveness of specific BMPs, and determine whether stormwater retrofitting projects should be prioritized for implementation?

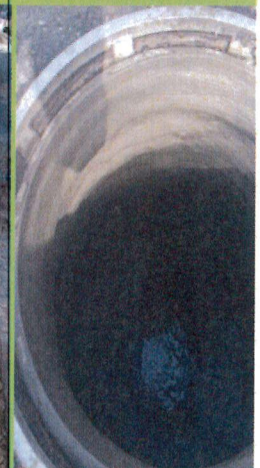
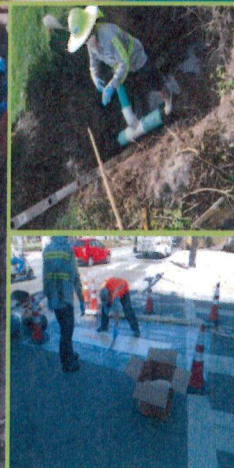
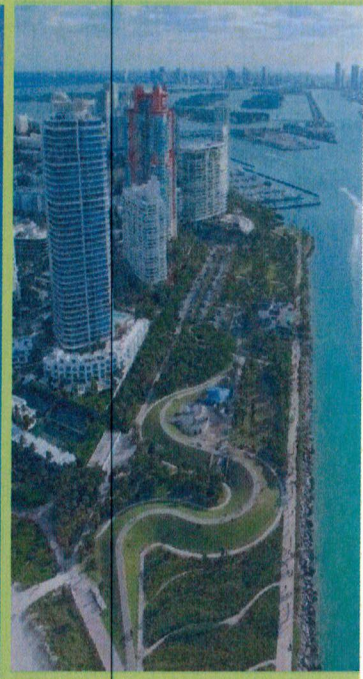
The City of Miami Beach has signed an Interlocal Agreement with Miami-Dade County providing for Miami-Dade County to conduct surface water quality monitoring on behalf of the City. Miami-Dade County produces on an annual basis a Surface Water Quality Discussion and Analysis Report, which summarizes the data generated for the reporting year by the monitoring program. Miami-Dade County subdivides the County into different monitoring regions that do not necessarily coincide with municipal boundaries. The City's MS4 discharges into the Southern North Bay region of Biscayne Bay. An increase or decrease in the pollutant loadings within the region could result from the successes or failures of one or more of the region's co-permittees. As such, the City is in the process of contracting the County to conduct sampling at additional locations closer to our city limits and within our waterways. The City anticipates that the results of these additional sampling points will fill in data gaps in the County's existing program so we can better evaluate the success of our Stormwater Management Program and identify trouble locations that are in need of more targeted action. In the interim, the City is conducting regular inspections of the discharge points for drainage basins in our more heavily trafficked commercial districts to visually monitor the conditions in these areas.

Second Cycle
Sanitary
Sewer
Evaluation
Survey

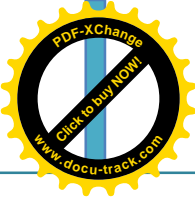
Phase III:
Implementation
& Completion
Of Corrective
Action Plan

Final
Rehabilitation
Report

October
2016

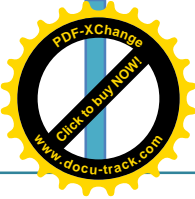


THE CITY OF
MIAMI BEACH
PUBLIC WORKS DEPARTMENT



List of Contents

Section 1 Introduction.....	1-1
1.1 Background.....	1-1
Section 2 Sanitary Sewer System.....	2-1
2.1 Compliant & Non-Compliant Sewer Basins (2012).....	2-1
Section 3 Best Management Practices & Strategies.....	3-1
3.1 Strategies to Implement.....	3-1
3.2 Severe Infiltration Basins (27A, 27B, 28B, 28D, 29, 31A, and 31B).....	3-1
3.3 Moderate Infiltration Basins (1B and 11).....	3-1
Section 4 Rehabilitation Work Performed.....	4-1
4.1 Basin 27B – Rehabilitation Work.....	4-2
4.2 Basin 28D – Rehabilitation Work.....	4-4
4.3 Basin 29 – Rehabilitation Work.....	4-6
4.4 Basin 27A – Rehabilitation Work.....	4-8
4.5 Basin 31A – Rehabilitation Work.....	4-10
4.6 Basin 28B – Rehabilitation Work.....	4-12
4.7 Basin 31B – Rehabilitation Work.....	4-14
4.8 Basin 11 – Rehabilitation Work.....	4-16
4.9 Basin 1B – Rehabilitation Work.....	4-18
Section 5 Flow Monitoring Data Collection Plan.....	5-1
5.1 Overview.....	5-1
5.2 Equipment.....	5-1
5.3 Night Flow.....	5-1
Section 6 Flow Monitoring Analysis & Results – 2016.....	6-1
6.1 Flow Monitoring Periods.....	6-1
6.2 Flow Monitoring Results.....	6-2

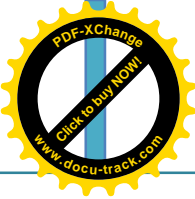


List of Contents

6.3 Reductions in Infiltration/Inflow.....	6-3
Section 7 SSES Summary.....	7-1
7.1 Prior SSES Programs – Pre-RER SSES, and First Cycle (1996-2010).....	7-1
7.2 Second Cycle (2002-2016).....	7-2

List of Tables

Table 2.1 Summary of Second Cycle SSES Phase II Results (2012).....	2-1
Table 4.1 Summary of Rehabilitation Work Performed.....	4-1
Table 4.2 Rehabilitation Work & Costs – Basin 27B.....	4-2
Table 4.3 Rehabilitation Work & Costs – Basin 28D.....	4-4
Table 4.4 Rehabilitation Work & Costs – Basin 29.....	4-6
Table 4.5 Rehabilitation Work & Costs – Basin 27A.....	4-8
Table 4.6 Rehabilitation Work & Costs – Basin 31A.....	4-10
Table 4.7 Rehabilitation Work & Costs – Basin 28B.....	4-12
Table 4.8 Rehabilitation Work & Costs – Basin 31B.....	4-14
Table 4.9 Rehabilitation Work & Costs – Basin 11.....	4-16
Table 4.10 Rehabilitation Work & Costs – Basin 1B.....	4-18
Table 6.1 Flow Monitoring Time Periods.....	6-1
Table 6.2 Summary of Second Cycle SSES Phase III Results (2016).....	6-2
Table 6.3 Summary of Pre and Post-Rehabilitation Results – I/I Percent Changes.....	6-3



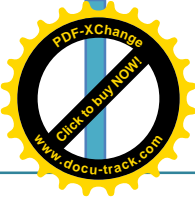
List of Contents

List of Figures

Figure 2.1 Map of Priority Basins.....	2-3
Figure 4.1 Basin 27B.....	4-3
Figure 4.2 Basin 28D.....	4-5
Figure 4.3 Basin 29.....	4-7
Figure 4.4 Basin 27A.....	4-9
Figure 4.5 Basin 31A.....	4-11
Figure 4.6 Basin 28B.....	4-13
Figure 4.7 Basin 31B.....	4-15
Figure 4.8 Basin 11.....	4-17
Figure 4.9 Basin 1B.....	4-19

Appendices

Appendix A	Basin Maps with Manhole ID's
Appendix B	The Avanti Company Flow Reports
Appendix C	Flow Monitoring Data
Appendix D	Water Consumption Data
Appendix E	Basin CCTV Reports



List of Contents

Introduction

1.1 Background

The City of Miami Beach (City) is a Volume Sewer Customer (VSC) of the Miami-Dade County Water and Sewer Department (WASD). As such, the City must comply with the requirements set forth in the Volume Sewer Customer Ordinance (VSCO) of the Miami-Dade County Code which applies to all VSC's of the WASD sewer system. This ordinance is enforced by the Miami-Dade Department of Regulatory and Economic Resources (RER), and stipulates that all utilities and non-utilities needed to complete Phase I (Preliminary Sewer System Survey) and Phase II (Sewer System Analysis and Corrective Action Plan) of the Second Sanitary Sewer Evaluation Survey (SSES) Cycle by November 12, 2012. The Phase I and Phase II report was submitted during that time by the City as required, and, as per County code, the City was tasked with correcting any and all deficiencies outlined in the report by November 12, 2016. Means of correcting these deficiencies, including reducing I&I and bringing any non-compliant sewer basins into compliance, were presented in a Corrective Action Plan during Phase I and Phase II.

This report presents the Second Cycle Phase III implementation and completion of the required corrective action plan, and the testing performed to bring any and all non-compliant basins into compliance.

As part of the Miami-Dade County code, the City must not exceed the local regulatory criterion of five thousand (5,000) gallons per inch pipe diameter per day per mile of pipe and laterals (GPD/IDM). The previous Phase I and Phase II report includes a 2012 flow study performed by the City which highlights all but nine (9) basins/sub-basins passing this criterion during the current Second Cycle of the SSES program. A summary of this flow monitoring study showing all compliant and (at the time) non-compliant basins can be seen in **Table 2.1**.

An intensive Corrective Action Plan was developed as part of the Phase I and Phase II report, and the City was tasked with carrying out this plan in order to bring the nine non-compliant basins into compliance within four (4) years. The work performed in order to accomplish this (Phase III) is further described in **Section 4** of this report. Once the work was completed, additional flow monitoring was conducted in order to show that all remaining basins had passed the County criterion.

The collected flow data is summarized and tabulated within **Section 6** and **Appendix B** of this report. This data shows the results after the Corrective Action Plan had been



List of Contents

completed and it quantifies the infiltration amounts in each of the previously non-compliant sewer basins. The results highlight all sanitary sewer basins within the City being compliant with RER's maximum allowable infiltration criterion of 5,000 GPD/IDM.

The City of Miami Beach has been proactive in its approach to mitigating I&I into the sanitary sewer since 1993, and, as has been demonstrated throughout the years, will continue its efforts in being a leader in this endeavor for future SSES cycles.

Continuously working to reduce I&I in the sanitary sewer system will continue to be a top priority for the City of Miami Beach's Public Works Department.

Section 2

Sanitary Sewer System

2.1 Compliant & Non-compliant Sewer Basins (2012)

The City of Miami Beach's sanitary sewer system is comprised of 33 basins/sub-basins, encompassing approximately 144 miles of gravity sewers, over 20 miles of force main, and 23 wastewater pump stations. During the 2012 flow monitoring study, it was determined that 24 of 33 basins were in compliance with RER's maximum allowable I&I criterion of 5,000 GPD/IDM. The remaining 9 basins were found to be non-compliant with this criterion. The table displaying this data can be seen below in **Table 2.1**:

Table 2.1 Summary of Second Cycle SSES Phase II Results (2012)

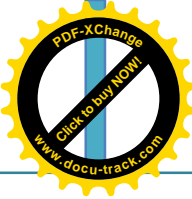
Basin or Sub-Basin	2012								
	General Information				I/I Information				
	PS	Key MH	Number of MH	IDM	Night Flow (GPD)	Night Usage (GPD)	Infiltration (GPD/IDM)	ADF (Dry) (MGD)	ADF (Wet) (MGD)
1	1			534.42	3,838,483	1,370,597	4,618	5.42	8.06
1A		138B	98	66.03	24,004	0	364	6.17	0.51
1B		173	296	206.12	1,763,279	401,678	6,606	2.10	3.38
1C		175A	269	262.27	2,051,200	968,919	4,127	3.16	4.17
2	2	PS1	20	9.95	7,394	0	743	0.12	0.40
4	4	PS1	38	28.92	4,815	0	166	0.10	0.22
5	5	PS1	34	24.89	10,716	0	431	0.03	0.35
6	6	PS10	22	16.77	2,302	0	137	0.03	0.23
7	7	PS10	34	30.9	1,983	0	64	0.03	0.07
8	8	PS10	25	20.65	3,615	0	175	0.08	0.53
10	10	400D	110	145.65	203,712	4,511	1,368	0.46	1.04
11	11	324E	136	77.74	1,158,947	440,033	9,248	1.70	2.63
13	13	PS13	30	23.32	3,182	0	136	N/A	0.01
14	14	PS14	47	30.67	9,640	0	314	N/A	0.03
15	15			187.71	354,510	279,443	400	0.56	0.90
15A		2006(N)	123	95.34	170,760	150,601	211	0.29	0.44
15B		2006 (W)	116	92.37	183,750	128,842	594	0.27	0.46

Basin or Sub-Basin	2012								
	General Information				I/I Information				
	PS	Key MH	Number of MH	IDM	Night Flow (GPD)	Night Usage (GPD)	Infiltration (GPD/IDM)	ADF (Dry) (MGD)	ADF (Wet) (MGD)
18	18	PS18	31	21.01	2,318	0	110	0.06	0.14
19	19	30940	138	69.67	271,784	148,336	1,772	0.32	0.99
21	21	4000	168	169.98	863,698	187,474	3,978	0.86	1.42
22	22			85.15	268,069	70,745	2,317	0.46	-
22A		3945D	49	39.71	164,769	41,738	3,098	0.17	0.25
22B		3944	61	45.44	103,300	29,007	1,635	0.29	-
23	23	3601B	174	138.04	728,231	248,085	3,478	1.02	1.14
24	24			153.96	352,768	201,551	982	0.33	0.57
24A		2803	65	92.2	224,435	115,273	1,184	0.26	0.32
24B		2701	61	61.76	128,333	86,266	681	0.06	0.25
27	27			41.38	1,040,031	105,723	22,579	1.21	1.37
27A		3401	48	20.58	407,096	8,528	19,124	0.52	0.56
27B		3024B	54	20.8	637,935	97,176	25,998	0.69	0.81
28	28			633.8	4,707,160	1,235,263	5,988	0.00	0.00
28A		-	141	72.78	89,561	0	1,231	0.12	0.32
28B		742	68	57.93	806,572	88,321	12,399	0.86	1.05
28C		623 & 513C	503	439.6	1,498,363	435,744	2,756	1.91	2.43
28D		592C	301	63.49	2,312,664	711,198	25,224	2.34	4.07
29	29	3144	56	24.92	654,256	68,610	23,501	0.72	0.85
30	30	PS30	7	2.28	1,079	0	473	0.01	0.03
31	31			95.51	1,374,289	225,393	12,029	1.53	2.36
31A		10D	75	38.6	707,593	145,061	14,573	0.79	1.21
31B		51I	141	56.91	666,696	80,315	10,302	0.75	1.15

Given the above results, 9 sewer basins were above 5,000 GPD/IDM in I&I flow monitoring (highlighted). These sewer basins, shown in **Figure 2.1** and in order of priority, are: 27B, 28D, 29, 27A, 31A, 28B, 31B, 11, and 1B. Between 2014 and 2016, the City pursued and implemented an intensive Corrective Action Plan in order to mitigate I&I in these basins and succeed in bringing them into compliance and under the 5,000 GPD/IDM flow numbers. The new flow monitoring results confirming this can be found in **Table 6.2**.

Figure 2.1 Map of Priority Basins





Section 3

Best Management Practices & Strategies

3.1 Strategies to Implement

The 2012 Phase II report laid out a Best Management Practice (BMP) Plan in order to bring the nine formerly non-compliant basins into compliance. This BMP was based on historical background of the City's sewer rehabilitation programs, associated costs, and implementing innovative methods that have been proven to reduce I/I in sanitary sewer networks. These methods include:

- Perform cleaning & CCTV of all mainline sewer pipelines within each basin to identify I/I and/or structural issues
- Replacement of pipes with severe structural defects
- Targeted point repairs for locations where significant I/I is identified
- CIPP lining of older clay sewer pipes in order to eliminate joint infiltration
- Sectional liners targeted at appropriate areas with mainline infiltration; or to cover possibly abandoned lateral openings that are contributing large amounts of I/I
- Manhole rehabilitation with cementitious lining
- T-liner lining for clay laterals that are in poor shape, or have significant I/I observed
- Ensure all sanitary sewer manholes have “rain catch” guards in order to prevent inflow from storm water runoff

3.2 Severe Infiltration Basins (27A, 27B, 28B, 28D, 29, 31A, and 31B)

The aforementioned basins were identified as having “severe” amounts of I/I during the 2012 flow study. Severe I/I was defined to be greater than 10,000 GPD/IDM. These basins received precedence during the Phase III rehabilitation stages. All possible strategies outlined in **Section 3.1** were implemented in these basins in order to bring the I/I levels to the RER acceptable flow numbers lower than 5,000 GPD/IDM.

3.3 Moderate Infiltration Basins (1B and 11)

These two basins were identified as having “moderate” amounts of I/I, or less than 10,000 GPD/IDM. Although these basins had much less I/I in comparison to the basins in **Section 3.2**, the City of Miami Beach still took a proactive approach and implemented all strategies outlined in **Section 3.1** for these two basins.

The rehabilitation work completed in all basins is described in more detail in **Section 4**.

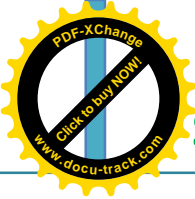
Section 4

Rehabilitation Work Performed

The BMP & Strategies outlined in **Section 3** were implemented between 2014 and 2016 in order to bring each of the nine basins into compliance. The City of Miami Beach contracted and managed EnviroWaste Services Group to carry out these strategies. This section will outline specific work done for each basin, as well as associated costs for each. **Table 4.1** summarizes all rehabilitation work completed during Phase III of the project.

Table 4.1 Summary of Rehabilitation Work Performed

Basin	Spot Repairs	T-Liners	Sectional Liners	CIPP Lining	Manhole Rehabilitation
	Completed	Completed	Completed	Footage	Completed
11	80	0	2	3,176	45
27B	0	0	11	1,763	35
27A	3	0	40	4,387	9
31A	33	0	10	255	38
28B	50	0	4	2,245	18
28D	36	3	24	3,800	99
29	9	1	20	775	13
31B	35	14	12	2,685	50
1B	101	0	31	2,662	66
TOTAL	347	18	154	21,748	373



Section 4

4.1 Basin 27B – Rehabilitation Work

Basin 27B, shown in **Figure 4.1**, encompasses the area approximately comprising of Collins Avenue between 45th and 54th Streets. The area is mostly made up of high-density condominium and hotel buildings, including an active nightlife with the inclusion of nightclubs, bars, and restaurants. This basin contains approximately 9,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, and sources of I/I were identified. Much of the work in this basin was focused on CIPP lining of clay sewer main pipelines, use of sectional liners to perform more localized trenchless repairs on large holes found in pipelines (two large ones were found in particular), and also covering up abandoned lateral openings which displayed significant I/I. A large amount of manhole rehabilitations were performed, along with replacement of “rain catch” covers in manholes. Associated costs for the work performed in this basin are shown in **Table 4.2**.

Table 4.2 Rehabilitation Work & Costs – Basin 27B

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	9,000 LF	\$14,850
CIPP Lining	1,763 LF	\$99,732
Sectional Liners	11	\$39,050
Manhole Rehabilitation	35	\$28,875
	TOTAL BASIN COST	\$182,507

Figure 4.1 Basin 27B



Section 4

4.2 Basin 28D – Rehabilitation Work

Basin 28D, shown in **Figure 4.2**, is the most dense sewer basin in terms of both population and building densities. It encompasses the area approximately comprising of Collins Avenue and Indian Creek Drive, between 23rd and 45th Streets. It also includes an area roughly bounded by Pine Tree Drive and Flamingo Drive, between 23rd & 29th Streets. The area is mostly made up of high-density condominiums and high-rise hotel buildings, including an active nightlife with the inclusion of nightclubs, restaurants, and bars. In addition, there is also a single-family residential area and mixed-use commercial area. This basin contains approximately 30,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, and sources of I/I were identified. Rehabilitation in this basin consisted of CIPP lining of clay pipelines, targeted spot repairs/pipe replacement, sectional liners, T-liners, manhole rehabilitation, and “rain catch” guard installations in manholes. Associated costs for the work performed in this basin are shown in **Table 4.3**.

Table 4.3 Rehabilitation Work & Costs – Basin 28D

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	30,000 LF	\$49,500
CIPP Lining	3,800 LF	\$182,259
Sectional Liners	24	\$90,750
Manhole Rehabilitation	99	\$70,785
Point Repairs	36	\$237,600
T-Liners	3	\$13,280
TOTAL BASIN COST		\$644,174

Section 4

Figure 4.2 Basin 28D



Section 4

4.3 Basin 29 – Rehabilitation Work

Basin 29, shown in **Figure 4.3**, encompasses the area approximately comprising of Collins Avenue and Indian Creek Drive, between 59th and 65th Streets. It also includes Allison Island, just west of Indian Creek. The area is mostly made up of high-density condominium and hotel buildings, with an active commercial sector as well. Allison Island is mostly comprised of single-family residential housing and a private development of luxury townhomes/condos known as Aqua. This basin contains approximately 11,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and sources of I/I were identified. Rehabilitation in this basin consisted mostly of targeted spot repairs/pipe replacement, and sectional liners covering up a large number of abandoned lateral openings with a lot of contributing I/I. T-liners, manhole rehabilitation, and “rain catch” guard installations in manholes were also used to mitigate I/I in this basin. Perhaps the largest rehabilitation effort in this basin was a trenchless repair of an approximately 10-foot section of 12-inch pipe which was completely collapsed and open to the surrounding groundwater. This was found in the area of 63rd St and Indian Creek Drive. This pipe, at approximately 9-feet in depth, was repaired using a trenchless structural liner and infiltration due to groundwater was subsequently stopped. Associated costs for the work performed are shown in **Table 4.4**.

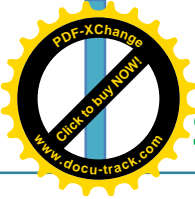
Table 4.4 Rehabilitation Work & Costs – Basin 29

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	11,000 LF	\$18,150
CIPP Lining	775 LF	\$43,020
Sectional Liners	20	\$82,170
Manhole Rehabilitation	13	\$9,295
Point Repairs	9	\$59,400
T-Liners	1	\$4,427
	TOTAL BASIN COST	\$216,462

Section 4

Figure 4.3 Basin 29





Section 4

4.4 Basin 27A – Rehabilitation Work

Basin 27A, shown in **Figure 4.4**, encompasses the area approximately comprising of Collins Avenue between 54th and 59th Streets. The area is mostly made up of high-density condominium and hotel buildings. This basin contains approximately 8,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and sources of I/I were identified. Rehabilitation in this basin consisted mostly of CIPP lining of clay pipe, and sectional liners covering up a large number of abandoned lateral openings with a lot of contributing I/I. Targeted spot repairs, manhole rehabilitation, and “rain catch” guard installations in manholes were also used to mitigate I/I in this basin. Associated costs for the work performed are shown in **Table 4.5**.

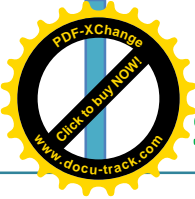
Table 4.5 Rehabilitation Work & Costs – Basin 27A

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	8,000 LF	\$13,200
CIPP Lining	4,387 LF	\$233,459
Sectional Liners	40	\$168,190
Manhole Rehabilitation	9	\$6,435
Point Repairs	3	\$19,800
	TOTAL BASIN COST	\$441,084

Section 4

Figure 4.4 Basin 27A





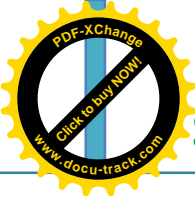
Section 4

4.5 Basin 31A – Rehabilitation Work

The South of 5th Street neighborhood, or better known as South Pointe, contains two of our priority sewer basins. Basin 31A, shown in **Figure 4.5**, takes up most of the area east of Washington Avenue, and also south of 1st Street. The area is mostly made up of luxury condominiums and townhomes, with a large sector of commercial buildings and hotels. This basin contains approximately 15,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and sources of I/I were identified. Rehabilitation in this basin consisted mostly of CIPP lining of clay pipe, targeted spot repairs, sectional liners, manhole rehabilitation, and “rain catch” guard installations in manholes to mitigate I/I in this basin. The rain catch guards were especially important in this basin as much of the sewer mainline runs beneath valley gutters designed to carry storm runoff. Associated costs for the work performed are shown in **Table 4.6**.

Table 4.6 Rehabilitation Work & Costs – Basin 31A

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	15,000 LF	\$24,750
CIPP Lining	255 LF	\$10,747
Sectional Liners	10	\$36,190
Manhole Rehabilitation	38	\$27,170
Point Repairs	33	\$217,800
	TOTAL BASIN COST	\$316,657



Section 4



4.6 Basin 28B – Rehabilitation Work

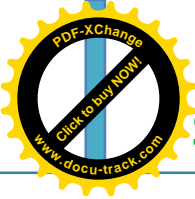
Basin 28B, shown in **Figure 4.6**, lies in the Nautilus neighborhood of the City, and is comprised of mostly single-family residential homes, with some commercial space at the south end of the basin. It is roughly bounded by 41st and 48th St Streets, between Meridian and Michigan Avenues. This basin contains approximately 15,000 LF of sanitary sewer mainline pipe, most of which resides in easements behind the single-family homes. During the course of the project, the City was able to locate and access sewer manholes which hadn't been located in years. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and key sources of I/I were identified. Much of this I/I was found to be located in the deeper 12-inch pipe running south along Meridian Avenue. Rehabilitation in this basin consisted mostly of targeted spot repairs, sectional liners, CIPP lining of clay pipes, manhole rehabilitation, and “rain catch” guard installations in manholes to mitigate I/I in this basin. Associated costs for the work performed are shown in **Table 4.7**.

Table 4.7 Rehabilitation Work & Costs – Basin 28B

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	15,000 LF	\$24,750
CIPP Lining	2,245 LF	\$83,556
Sectional Liners	4	\$12,430
Manhole Rehabilitation	18	\$12,870
Point Repairs	50	\$330,000
	TOTAL BASIN COST	\$463,606

Figure 4.6 Basin 28B





Section 4

4.7 Basin 31B – Rehabilitation Work

Basin 31B, shown in **Figure 4.7**, makes up the other half of the South Pointe neighborhood sewer basins (the other being 31A). It takes up most of the area west of Washington Avenue and south of 5th Street, with a portion extending to 7th Street between Jefferson and Meridian Avenues. The neighborhood consists of mostly residential luxury townhomes and condominiums, with an extended section of commercial zones. This basin contains approximately 15,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and key sources of I/I were identified. Among other areas, much of this I/I was found to be located along a section of 15-inch pipe running south along Meridian Avenue between 7th and 3rd Streets. This pipe is approximately 10-feet in depth and contained a lot of cracked lateral joints which were resolved by use of the T-liner. Further rehabilitation in this basin consisted mostly of targeted spot repairs, sectional liners, CIPP lining of clay pipes, manhole rehabilitation, and “rain catch” guard installations in manholes to mitigate I/I in this basin. Associated costs for the work performed are shown in **Table 4.8**.

Table 4.8 Rehabilitation Work & Costs – Basin 31B

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	15,000 LF	\$24,750
CIPP Lining	2,685 LF	\$97,394
Sectional Liners	12	\$47,630
Manhole Rehabilitation	50	\$35,750
Point Repairs	35	\$231,000
T-Liners	14	\$61,985
	TOTAL BASIN COST	\$488,059

Section 4

4.8 Basin 11 – Rehabilitation Work

Basin 11, shown in **Figure 4.8**, is located in a relatively dense area of the City Center neighborhood. The basin consists of a fair mix between residential condominiums, luxury high-rise hotels, and commercial space, with a large portion taken up by the Miami Beach Convention Center. This basin contains approximately 20,000 LF of sanitary sewer mainline pipe, and is roughly bounded by Collins Avenue and Convention Center Drive, between 15th and 23rd Streets. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and key sources of I/I were identified. Rehabilitation in this basin consisted mostly of targeted spot repairs, sectional liners, CIPP lining of clay pipes, manhole rehabilitation, and “rain catch” guard installations in manholes to mitigate I/I in this basin. Associated costs for the work performed are shown in **Table 4.9**.

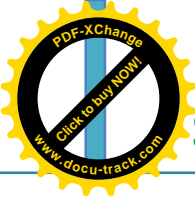
Table 4.9 Rehabilitation Work & Costs – Basin 11

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	20,000 LF	\$33,000
CIPP Lining	3,176 LF	\$161,601
Sectional Liners	2	\$5,500
Manhole Rehabilitation	45	\$32,175
Point Repairs	80	\$528,000
	TOTAL BASIN COST	\$760,276

Section 4

Figure 4.8 Basin 11





Section 4

4.9 Basin 1B – Rehabilitation Work

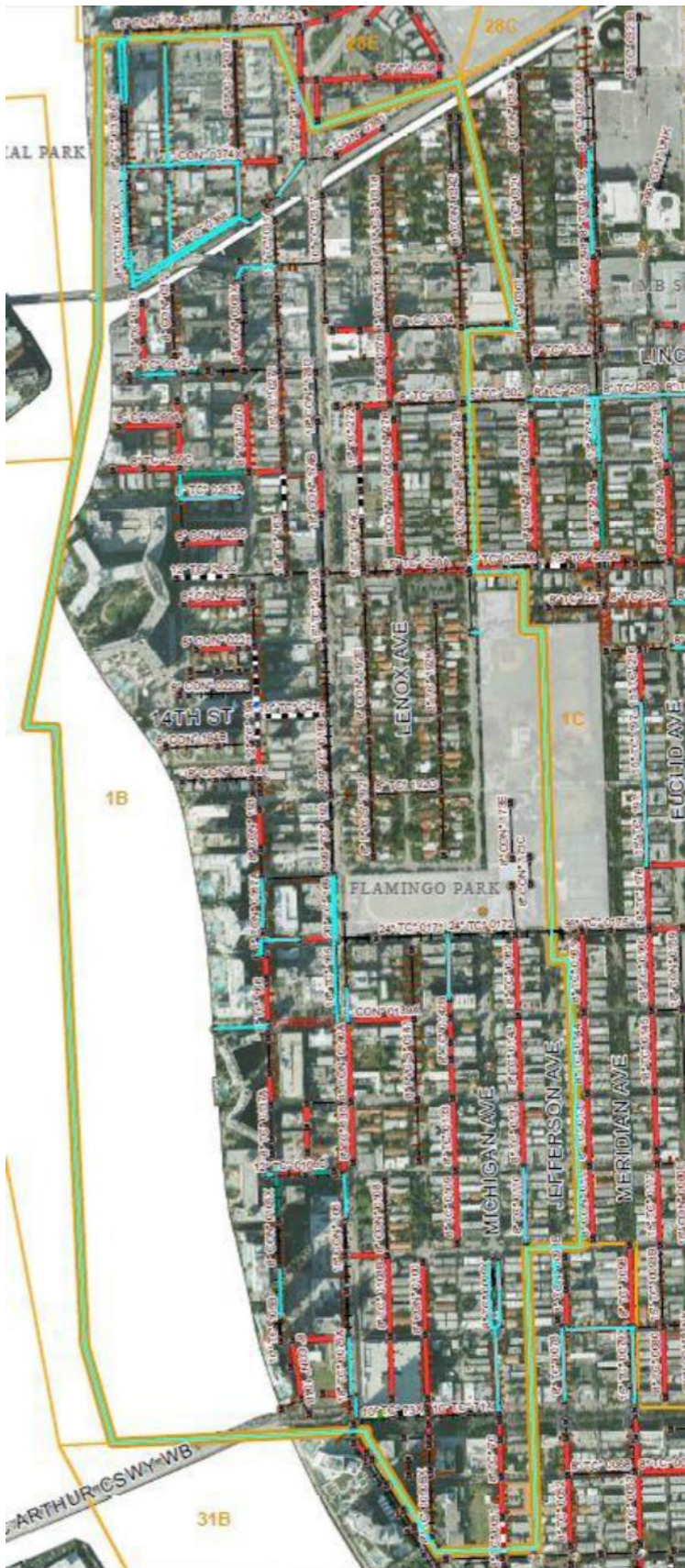
Basin 1B, shown in **Figure 4.9**, is by far the largest basin for Phase III in terms of area and also total linear footage of pipeline. Located in the Flamingo Park neighborhood and bounded by Meridian Avenue and the Bay, between 5th and 20th Streets, the basin consists of a large mix of high-rise residential condominium towers, single-family homes, and large sectors of commercial space. The City's busiest roadway, Alton Road is located within this basin. This basin contains approximately 59,000 LF of sanitary sewer mainline pipe. All of the mainline pipe was cleaned and televised, along with several suspect laterals, and key sources of I/I were identified. Rehabilitation in this basin consisted of a large mix of targeted spot repairs, pipe replacements, sectional liners, CIPP lining of clay pipes, manhole rehabilitation, and "rain catch" guard installations in manholes to mitigate I/I in this basin. Associated costs for the work performed are shown in **Table 4.10**.

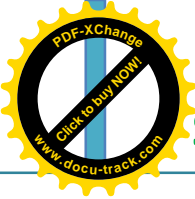
Table 4.10 Rehabilitation Work & Costs – Basin 1B

Rehabilitation Type	Quantity	Cost
Cleaning & CCTV	59,000 LF	\$97,350
CIPP Lining	2,662 LF	\$113,608
Sectional Liners	31	\$93,610
Manhole Rehabilitation	66	\$47,190
Point Repairs	101	\$666,600
	TOTAL BASIN COST	\$1,018,358

Section 4

Figure 4.9 Basin 1B





Section 5

Flow Monitoring Data Collection Plan

5.1 Overview

Once the rehabilitation work described in **Section 4** was completed for each basin, a comprehensive flow monitoring study needed to take place. As per RER regulations, the study needed to be conducted during the “wet season” which is June 1 through November 30. The intent of the study is to determine current I/I levels for each basin and verify that they are under the maximum allowable criterion of 5,000 GPD/IDM.

In order to obtain accurate flow data, the “key” manholes were identified for each basin. The key manhole is the sanitary sewer manhole where all flow present in the basin will pass through. It is from these manholes where each necessary flow meter was placed to acquire pertinent flow data. The key manholes can be seen in the detailed basin maps in **Appendix A**.

The Avanti Company was subcontracted by EnviroWaste to lead the flow monitoring investigation during Phase III.

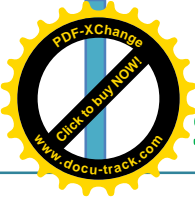
5.2 Equipment

Hach flow equipment was used in order to obtain high-quality and accurate flow data. By making use of their Data Delivery Services platform, we were able to read and analyze flow data in almost real-time fashion wirelessly. This not only gave us the ability to read incoming flow data every day of our flow monitoring period, but it also allowed us to better identify maintenance issues with the equipment more expeditiously so that we can have them resolved rapidly. The equipment was installed, calibrated, and maintained throughout the flow monitoring period by EnviroWaste.

Flow data for each basin was captured using several of Hach’s Flo-Dar Av Sensor units in combination with FL900 Series flow loggers. These highly accurate flow devices are non-contact and are therefore less prone to inaccurate velocity readings due to solids and other debris.

5.3 Night Flow

Night flows are measured at the key manholes of each sewer basin/sub-basin between the hours of 1:00am and 5:00am. This is the timeframe when, theoretically, wastewater flows are at a minimum and most of the flow is infiltration. This is the case in much of the City, and we therefore assumed a “worst case scenario” for these areas and deemed water usage to be zero. This means that all wastewater flowing to these basins was



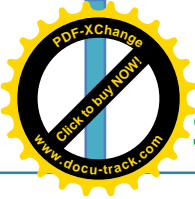
Section 5



deemed to be I/I. This conservative assumption was used in three of the nine priority basins.

Six of our priority sewer basins lie within areas of the City with high population densities and where there is a greater amount of nighttime activity, particularly toward the eastern tourist areas in and around Collins Avenue. These six basins are 11, 28D, 27A, 27B, 29, and 31B. Areas of Miami Beach where nighttime activity is relatively high (as compared with other parts of the County) can play a significant role with the associated night usage when conducting wastewater flow monitoring. This includes areas with nightclubs, bars, restaurants, and tourist hotspots that are open at all hours of the night. In order to account for metered water consumption during this time, the City was able to extract water consumption data for these four basins. This data can be found in **Appendix D**. The results were normalized against the measured wastewater hydrographs so that only a small portion of the average is considered night usage, and then were deducted from the measured wastewater flow in order to obtain more accurate I/I data.

The night flow I/I results for each sewer basin were converted into GPD/IDM units, and were compared with RER's maximum criterion of 5,000 GPD/IDM. These results are presented in **Table 6.2** of this report.



Section 6

Flow Monitoring Analysis & Results - 2016

6.1 Flow Monitoring Periods

All flow monitoring devices were installed and recorded data from July 2016 through September 2016. As per RER requirements, each basin needed to be under the maximum allowable I/I criterion for three (3) consecutive night flows. The time periods being used for each basin/sub-basin are summarized in **Table 6.1**.

Table 6.1 Flow Monitoring Time Periods

Basin	Start Date/Time	Finish Date/Time
27B	9/18/16, 1:00am	9/20/16, 5:00am
28D	9/21/16, 1:00am	9/23/16, 5:00am
29	9/14/16, 1:00am	9/16/16, 5:00am
27A	8/11/16, 1:00am	8/13/16, 5:00am
31A	7/02/16, 1:00am	7/04/16, 5:00am
28B	8/05/16, 1:00am	8/07/16, 5:00am
31B	7/13/16, 1:00am	7/15/16, 5:00am
11	7/12/16, 1:00am	7/14/16, 5:00am
1B	7/03/16, 1:00am	7/05/16, 5:00am

Section 6

6.2 Flow Monitoring Results

Each basin was analyzed during the time periods described in **Section 6.1**. Night flows were recorded, computed, and then converted into GPD/IDM. The flow monitoring results are summarized in **Table 6.2**.

Table 6.2 Summary of Second Cycle SSES Phase III Results (2016)

Basin or Sub- Basin	2016								
	General Information				I/I Information				
	PS	Key MH	Number of MH	IDM	Night Flow (GPD)	Night Usage (GPD)	Infiltration (GPD/IDM)	ADF (Dry) (MGD)	ADF (Wet) (MGD)
1B	1	SWR43457	315	206.12	560,708	0	2,720	1.01	1.18
11	11	SWR42578	134	77.74	1,021,925	875,138	1,888	1.89	1.94
27A	27	SWR42532	45	20.58	141,293	124,762	803	0.30	0.38
27B	27	SWR42400	59	20.8	782,755	684,864	4,706	1.21	1.30
28B	28	SWR42138	72	57.93	129,182	0	2,230	0.16	0.18
28D	28	SWR43214	301	63.49	2,050,474	1,761,811	4,547	3.93	4.01
29	29	SWR41599	85	24.92	371,356	256,853	4,595	0.86	0.93
31A	31	SWR43323	96	38.6	96,077	0	2,489	0.22	0.30
31B	31	SWR43321	141	56.91	418,824	267,595	2,657	0.91	0.93

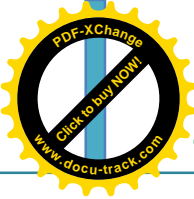
Section 6

6.3 Reductions in Infiltration/Inflow

After much construction and sewer pipe rehabilitation, the City of Miami Beach has seen a large percentage decrease in I/I for all basins. The below table summarizes percent reductions in I/I throughout the City for First Cycle and Second Cycle SSES programs.

Table 6.3 Summary of Pre and Post-Rehabilitation Results – I/I Percent Changes

	First Cycle Infiltration Results			Second Cycle Infiltration Results		
Basin	2006 Infiltration (GPD/IDM)	2010 Infiltration (GPD/IDM)	Infiltration % Reduction	2012 Infiltration (GPD/IDM)	2016 Infiltration (GPD/IDM)	Infiltration % Reduction
1A	909			364		
1B	6,614			6,606	2,720	59%
1C	2,781			4,127		
2	1,479			743		
4	886			166		
5	545			431		
6	3,340			137		
7	1,025			64		
8	1,304			175		
10	1,344			1,368		
11	8,796	13,278	-51%	9,248	1,888	80%
13	109			136		
14	252			314		
15A	345			211		
15B	475			594		
18	768			110		
19	11,428	8,647	24%	1,772		
21	2,729			3,978		
22A	1,016			3,098		
22B	1,343			1,635		
23	1,135			3,478		
24A	1,218			1,184		
24B	2,495			681		
27A	22,570			19,124	803	96%
27B	21,247	17,351	18%	25,998	4,706	82%
28A	1,577			1,231		
28B	12,184			12,399	2,230	82%
28C	2,100			2,756		
28D	25,350	27,748	-9%	25,224	4,547	82%
29	41,583	15,800	62%	23,501	4,595	80%
30	2,683			473		
31A	13,717	5,103	63%	14,573	2,489	83%
31B	9,677	12,573	-30%	10,302	2,657	74%
Overall	131,800	100,501	24%	146,975	26,635	82%



SSes Summary

7.1 Prior SSes Programs – Pre-RER SSes, and First Cycle (1996 – 2010)

The City of Miami Beach has always strived to remain ahead of the curve and be a leader when it comes to I/I mitigation. In 1993, prior to any County ordinance, the City began to implement its own SSes program to eliminate and/or reduce I/I into our sanitary sewer system. The City inspected approximately 488,000 LF of sewer pipes and 2,200 manholes, and identified many problem areas which needed rehabilitation work. As a result, the City committed roughly \$6.4 million towards pipe lining, point repairs, joint grouting, and manhole rehabilitation.

In 1996, the City initiated its rehabilitation program based on RER requirements, with a goal of meeting the 5,000 GPD/IDM criterion for each sewer basin. During the time period between 1996 and 2005, the City completed the following:

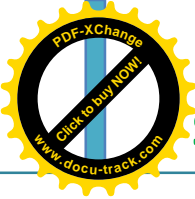
- Lined 300,000 LF of sanitary sewer pipes using CIPP
- Joint grouted 170 LF of sanitary sewer pipes
- Joint grouted 620 lateral connections
- Completed 180 point repairs
- Rehabilitated 320 sanitary sewer manholes
- Rehabilitated/replaced 350 sanitary sewer laterals (8,700 LF)

The City committed approximately \$23.2 million towards this work.

Between 2006 and 2010, the City focused on and completed the RER-specified Phase III Report. In 2006, the City had seven (7) non-compliant basins after conducting a flow monitoring study. Rehabilitation for these seven basins commenced in 2008 and concluded in 2010. By then, the City had spent another \$5.7 million towards its I/I mitigation effort.

Work continued into 2011 because of excessive infiltration in certain basins. This work included:

- Replacement of 110 LF of sanitary sewer mains
- Replacement of 76 sewer laterals (1,922 LF)
- Repairing 14 sewer laterals (238 LF)
- Cleaning & assessment of approximately 956,000 LF of sanitary sewer pipes
- Cleaning & assessment of approximately 3,000 LF of sewer laterals



Section 7



7.2 Second Cycle SSES (2002 – 2016)

The Second Cycle of the SSES program began in 2002. Phase I and Phase II of this cycle was completed by 2012, by which the City had spent approximately \$620,000 in the cleaning and assessment of 4,700 LF of sewer main, flow monitoring, and the smoke testing of 533,000 LF of sewer mains.

By this point, the City identified the nine (9) non-compliant basins which were brought into compliance by 2016. Rehabilitation efforts for these basins began in 2014 and were completed in 2016. The City spent approximately \$4.4 million in its I/I mitigation, including the following rehabilitation strategies:

- Cleaning & assessment of approximately 182,000 LF of sanitary sewer mains
- CIPP lining of approximately 21,748 LF of sanitary sewer mains
- Completed 347 point repairs
- Completed 154 sectional liners
- Rehabilitated 373 sanitary sewer manholes
- Completed 18 T-liner lateral lining segments

These techniques and strategies proved to be very successful in mitigating I/I found within our sewer system, and in bringing each basin into RER compliance. Moving forward, the City of Miami Beach will continue to take a proactive approach as a leader in sanitary sewer maintenance and I/I reduction.



Appendix A

Basin Maps with Manhole ID's



Appendix B

The Avanti Company Flow Reports



MIAMI BEACH

Project:

City of Miami Beach SSES
Plan B Flow Monitoring Project
1700 Convention Center Drive.
Miami Beach, FL 33139

Project Manager:

Eric Corey
The Avanti Company
22 South Lake Avenue.
Avon Park, FL 33825
305-804-5940
ecorey@avanticompany.com

Contractor:

Julio Fojon
EnviroWaste Services Group
18801 S. Dixie Highway
Miami, FL 33145
305-896-6859
julio.fojon@envirowasteg.com





MIAMI BEACH

Flow Basins	Maximum Allowable GPD	Calculated Average I/I	Station Status
Basin 1B - MH43457	1,030,593.60	560,706.64	Pass
Basin 11 - MH42578	388,699.20	147,974.40	Pass
Basin 27A - MH42532	102,902.40	16,531.20	Pass
Basin 27B - MH42400	103,996.80	97,891.20	Pass
Basin 28B - MH42138	289,656.00	129,182.40	Pass
Basin 28D - MH43214	317,448.00	288,662.40	Pass
Basin 29 - MH41599	124,603.20	114,508.80	Pass
Basin 31A - MH43323	159,307.20	96,076.80	Pass
Basin 31B - MH43321	284,601.60	151,228.80	Pass

Authorized by:



10/17/2016



MH43457 Basin 1B Summary

Flow Measurement Date(s): July 03 - July 05, 2016

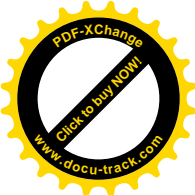
MH43457 Basin 1 B Flow Data Summary:

	GPM	GPD
Estimated Average I/I	389.38	560,706.64
Maximum Allowable I/I	715.69	1,030,593.60
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 560,706.64 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.





MH42578 Basin 11 Summary

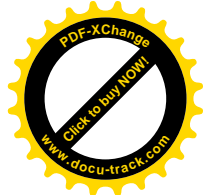
Flow Measurement Date(s): July 12 - July 14, 2016

MH42578 Basin 11 Flow Data Summary:

	GPM	GPD
Estimated Average I/I	102.76	147,974.40
Maximum Allowable I/I	269.93	388,699.20
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was perform onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 147,974.40 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time	Flow (GPM)		Flow (GPD)		Instrument Date and Time	Flow (GPM)		Flow (GPD)	
	7/12/2016 1:00	757.35	1,090,581.06	781.44	7/13/2016 1:00	781.44	1,125,267.54	7/14/2016 1:00	1,149.07
	7/12/2016 1:15	962.33	1,385,760.32	660.21	7/13/2016 1:15	660.21	950,708.06	7/14/2016 1:15	550.24
	7/12/2016 1:30	1050.55	1,512,794.00	634.28	7/13/2016 1:30	634.28	913,363.42	7/14/2016 1:30	543.12
	7/12/2016 1:45	1050.55	1,512,794.00	492.53	7/13/2016 1:45	492.53	709,246.32	7/14/2016 1:45	538.54
	7/12/2016 2:00	1199.14	1,726,761.97	488.07	7/13/2016 2:00	488.07	702,819.76	7/14/2016 2:00	638.10
	7/12/2016 2:15	1218.54	1,754,697.83	447.88	7/13/2016 2:15	447.88	644,944.26	7/14/2016 2:15	638.10
	7/12/2016 2:30	1218.54	1,754,697.83	0.00	7/13/2016 2:30	0.00	0.00	7/14/2016 2:30	636.39
	7/12/2016 2:45	1008.61	1,452,398.99	410.77	7/13/2016 2:45	410.77	591,514.45	7/14/2016 2:45	631.44
	7/12/2016 3:00	714.22	1,028,483.17	874.87	7/13/2016 3:00	874.87	1,259,810.86	7/14/2016 3:00	632.47
	7/12/2016 3:15	495.40	713,377.31	671.20	7/13/2016 3:15	671.20	966,531.62	7/14/2016 3:15	632.47
	7/12/2016 3:30	512.40	737,861.66	863.09	7/13/2016 3:30	863.09	1,242,853.24	7/14/2016 3:30	657.91
	7/12/2016 3:45	505.15	727,417.75	895.55	7/13/2016 3:45	895.55	1,289,592.69	7/14/2016 3:45	585.92
	7/12/2016 4:00	443.50	638,638.68	921.67	7/13/2016 4:00	921.67	1,327,209.17	7/14/2016 4:00	582.43
	7/12/2016 4:15	443.50	638,638.68	910.45	7/13/2016 4:15	910.45	1,311,047.31	7/14/2016 4:15	556.91
	7/12/2016 4:30	537.41	773,869.83	910.45	7/13/2016 4:30	910.45	1,311,047.31	7/14/2016 4:30	556.91
	7/12/2016 4:45	1038.03	1,494,761.13	937.69	7/13/2016 4:45	937.69	1,350,275.89	7/14/2016 4:45	561.56
	7/12/2016 5:00	1038.03	1,494,761.13		7/13/2016 5:00			7/14/2016 5:00	562.13
Estimated Average Flow		834.90	1,202,252.67	669.90	Estimated Average Flow		964,650.10	Estimated Average Flow	626.69

IDM Allowable I/I (gpd) (gpm)

77.74 388700.00 269.93

Estimated Average Flow Total: Night Usage

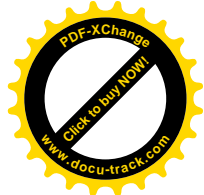
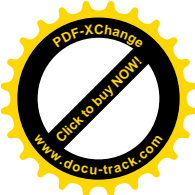
710.49 607.73

1,023,112.39 875,138.00

% to Max I/I

38.07%

Passed



MH42532 Basin 27A Summary

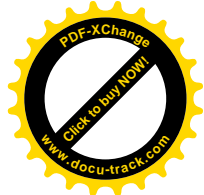
Flow Measurement Date(s): August 11 - August 13, 2016

MH42532 Basin 27A Flow Data Summary:

	GPM	GPD
Estimated Average I/I	11.48	16,531.20
Maximum Allowable I/I	71.46	102,902.40
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 16,531.20 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)
8/11/2016 1:00	111.51	160,575.29	8/12/2016 1:00	93.89	135,204.88	8/13/2016 1:00	58.65	84,457.38
8/11/2016 1:15	110.44	159,032.34	8/12/2016 1:15	91.66	131,993.75	8/13/2016 1:15	60.02	86,421.95
8/11/2016 1:30	108.23	155,855.56	8/12/2016 1:30	70.24	101,141.14	8/13/2016 1:30	86.48	124,534.91
8/11/2016 1:45	119.21	171,665.90	8/12/2016 1:45	70.24	101,141.14	8/13/2016 1:45	85.60	123,262.33
8/11/2016 2:00	119.12	171,527.49	8/12/2016 2:00	66.41	95,628.76	8/13/2016 2:00	85.49	123,101.11
8/11/2016 2:15	118.91	171,228.93	8/12/2016 2:15	67.38	97,027.09	8/13/2016 2:15	57.90	83,382.02
8/11/2016 2:30	120.65	173,728.85	8/12/2016 2:30	98.38	141,672.14	8/13/2016 2:30	57.97	83,483.21
8/11/2016 2:45	120.85	174,028.82	8/12/2016 2:45	119.13	171,548.38	8/13/2016 2:45	57.38	82,629.97
8/11/2016 3:00	120.85	174,028.82	8/12/2016 3:00	117.53	169,241.25	8/13/2016 3:00	57.12	82,253.94
8/11/2016 3:15	145.87	210,051.26	8/12/2016 3:15	131.82	189,824.58	8/13/2016 3:15	80.98	116,604.08
8/11/2016 3:30	146.39	210,796.44	8/12/2016 3:30	131.82	189,824.58	8/13/2016 3:30	82.99	119,504.12
8/11/2016 3:45	121.37	174,770.73	8/12/2016 3:45	125.71	181,016.14	8/13/2016 3:45	84.12	121,133.39
8/11/2016 4:00	121.53	175,008.45	8/12/2016 4:00	112.70	162,287.85	8/13/2016 4:00	92.00	132,484.30
8/11/2016 4:15	115.96	166,978.49	8/12/2016 4:15	109.14	157,167.56	8/13/2016 4:15	92.00	132,484.30
8/11/2016 4:30	115.96	166,978.49	8/12/2016 4:30	87.00	125,274.13	8/13/2016 4:30	68.84	99,126.06
8/11/2016 4:45	116.51	167,767.42	8/12/2016 4:45	88.06	126,812.56	8/13/2016 4:45	92.22	132,789.74
8/11/2016 5:00	116.32	167,504.61	8/12/2016 5:00	119.16	171,594.31	8/13/2016 5:00	54.64	78,688.40
Estimated Average Flow	120.57	173,619.29	Estimated Average Flow	100.02	144,023.54	Estimated Average Flow	73.79	106,255.37

Flow (GPD)
(gpm)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

Flow (GPM)

Flow (GPD)

% to Max l/l
16.07%

Passed

141,299.40
124,761.60

98.12
86.64

Estimated Average Flow Total:
Night Usage

IDM

Allowable l/l (gpd)

20.58

102900.00

71.46

100.02

144,023.54

73.79

106,255.37

78,688.40

99,126.06

132,789.74

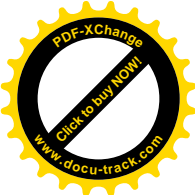
132,484.30

121,133.39

119,504.12

116,604.08

82,253.94



MH42400 Basin 27B Summary

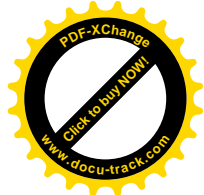
Flow Measurement Date(s): September 18 - September 20, 2016

MH42400 Basin 27B Flow Data Summary:

	GPM	GPD
Estimated Average I/I	67.98	97,891.20
Maximum Allowable I/I	72.22	103,996.80
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 97,891.20 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)
9/18/2016 1:00	531.5	765,360.00	9/19/2016 1:00	612.6843872	882,265.52	9/20/2016 1:00	449.882782	647,831.21
9/18/2016 1:15	531.5	765,360.00	9/19/2016 1:15	538.0978394	774,860.89	9/20/2016 1:15	439.595398	633,017.37
9/18/2016 1:30	508.4015808	732,098.28	9/19/2016 1:30	523.0149536	753,141.53	9/20/2016 1:30	433.400757	624,097.09
9/18/2016 1:45	499.2394714	718,904.84	9/19/2016 1:45	447.0955505	643,817.59	9/20/2016 1:45	429.5513	618,553.87
9/18/2016 2:00	479.20224	690,051.23	9/19/2016 2:00	422.4961853	608,394.51	9/20/2016 2:00	412.276367	593,677.97
9/18/2016 2:15	469.5194092	676,107.95	9/19/2016 2:15	422.4961853	608,394.51	9/20/2016 2:15	412.276367	593,677.97
9/18/2016 2:30	414.95224	597,531.23	9/19/2016 2:30	447.0955505	643,817.59	9/20/2016 2:30	401.171875	577,687.50
9/18/2016 2:45	371.1425476	534,445.27	9/19/2016 2:45	960.8708496	1,383,654.02	9/20/2016 2:45	395.675262	569,772.38
9/18/2016 3:00	261.9230042	377,169.13	9/19/2016 3:00	960.8708496	1,383,654.02	9/20/2016 3:00	392.556824	565,281.83
9/18/2016 3:15	543.5219116	782,671.55	9/19/2016 3:15	960.8708496	1,383,654.02	9/20/2016 3:15	376.337708	541,926.30
9/18/2016 3:30	620.9434204	894,158.53	9/19/2016 3:30	802.8344116	1,156,081.55	9/20/2016 3:30	365.891693	526,884.04
9/18/2016 3:45	415.3404236	598,090.21	9/19/2016 3:45	882.6353149	1,270,994.85	9/20/2016 3:45	365.891693	526,884.04
9/18/2016 4:00	415.3404236	598,090.21	9/19/2016 4:00	671.3723145	966,776.13	9/20/2016 4:00	396.457245	570,898.43
9/18/2016 4:15	1294.038696	1,863,415.72	9/19/2016 4:15	612.5975342	883,140.45	9/20/2016 4:15	391.69519	564,041.07
9/18/2016 4:30	742.5335083	1,069,248.25	9/19/2016 4:30	751.4116211	1,082,032.73	9/20/2016 4:30	397.401855	572,258.67
9/18/2016 4:45	742.5335083	1,069,248.25	9/19/2016 4:45	617.0471802	888,547.94	9/20/2016 4:45	396.457245	570,898.43
9/18/2016 5:00	742.5335083	1,069,248.25	9/19/2016 5:00	676.2489014	973,798.42	9/20/2016 5:00	372.151978	535,898.85
Estimated Average Flow	563.77	811,835.23	Estimated Average Flow	665.28	958,001.55	Estimated Average Flow	401.69	578,428.65

IDM Allowable I/I (gpd) 20.8 (gpm) 72.22

Estimated Average Flow Total: 543.58 782,755.14
Night Usage 475.60 684,864.00
% to Max I/I 94.13% Passed



MH42138 Basin 28B Summary

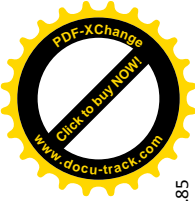
Flow Measurement Date(s): August 5 - August 7, 2016

MH42138 Basin 28B Flow Data Summary

	GPM	GPD
Estimated Average I/I	89.71	129,182.40
Maximum Allowable I/I	201.15	289,656.00
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 129,182.40 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time	Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)	
	8/5/2016 1:00	8/5/2016 1:15	0	0.00	8/6/2016 1:00	8/6/2016 1:15	193.3684845	278,450.62	8/7/2016 1:00	168.943649	243,278.85	8/7/2016 1:00	168.943649	243,278.85		
8/5/2016 1:30	95.52101135	137,550.26	0	0.00	8/6/2016 1:30	8/6/2016 1:45	190.317749	274,057.56	8/7/2016 1:15	166.864563	240,284.97	8/7/2016 1:15	166.864563	240,284.97		
8/5/2016 1:45	187.0385132	269,335.46	0	0.00	8/6/2016 1:45	8/6/2016 2:00	0	0.00	8/7/2016 1:30	159.663193	229,915.00	8/7/2016 1:30	159.663193	229,915.00		
8/5/2016 2:00	140.5067444	202,329.71	0	0.00	8/6/2016 2:00	8/6/2016 2:15	0	0.00	8/7/2016 1:45	158.294647	227,944.29	8/7/2016 1:45	158.294647	227,944.29		
8/5/2016 2:15	185.1048889	266,551.04	0	0.00	8/6/2016 2:15	8/6/2016 2:30	0	0.00	8/7/2016 2:00	156.577209	225,471.18	8/7/2016 2:00	156.577209	225,471.18		
8/5/2016 2:30	183.9989929	264,958.55	0	0.00	8/6/2016 2:30	8/6/2016 2:45	0	0.00	8/7/2016 2:15	153.411758	220,912.93	8/7/2016 2:15	153.411758	220,912.93		
8/5/2016 2:45	183.4199982	264,124.80	0	0.00	8/6/2016 2:45	8/6/2016 3:00	0	0.00	8/7/2016 2:30	152.712814	219,906.45	8/7/2016 2:30	152.712814	219,906.45		
8/5/2016 3:00	88.01513672	126,741.80	0	0.00	8/6/2016 3:00	8/6/2016 3:15	0	0.00	8/7/2016 2:45	151.937546	218,790.07	8/7/2016 2:45	151.937546	218,790.07		
8/5/2016 3:15	176.0302734	253,483.59	0	0.00	8/6/2016 3:15	8/6/2016 3:30	0	0.00	8/7/2016 3:00	157.832932	227,279.42	8/7/2016 3:00	157.832932	227,279.42		
8/5/2016 3:30	133.0824432	191,638.72	0	0.00	8/6/2016 3:30	8/6/2016 3:45	0	0.00	8/7/2016 3:15	157.291214	226,499.35	8/7/2016 3:15	157.291214	226,499.35		
8/5/2016 3:45	178.239502	256,664.88	0	0.00	8/6/2016 3:45	8/6/2016 4:00	0	0.00	8/7/2016 3:30	156.749191	225,718.84	8/7/2016 3:30	156.749191	225,718.84		
8/5/2016 4:00	179.9774628	259,167.55	0	0.00	8/6/2016 4:00	8/6/2016 4:15	0	0.00	8/7/2016 3:45	157.541397	226,859.61	8/7/2016 3:45	157.541397	226,859.61		
8/5/2016 4:15	181.7818756	261,765.90	0	0.00	8/6/2016 4:15	8/6/2016 4:30	0	0.00	8/7/2016 4:00	0	0.00	8/7/2016 4:00	0	0.00		
8/5/2016 4:30	182.7556763	263,168.17	0	0.00	8/6/2016 4:30	8/6/2016 4:45	0	0.00	8/7/2016 4:15	0	0.00	8/7/2016 4:15	0	0.00		
8/5/2016 4:45	198.1581421	285,347.72	0	0.00	8/6/2016 4:45	8/6/2016 5:00	0	0.00	8/7/2016 4:30	0	0.00	8/7/2016 4:30	0	0.00		
8/5/2016 5:00	134.92	194,284.01	0	0.00	8/6/2016 5:00	Estimated Average Flow	22.57	32,500.48	8/7/2016 4:45	0	0.00	8/7/2016 4:45	0	0.00		
Estimated Average Flow	134.92	194,284.01	0	0.00	Estimated Average Flow	Estimated Average Flow	22.57	32,500.48	8/7/2016 5:00	0	0.00	Estimated Average Flow	111.64	160,756.53		

IDM Allowable I/I (gpd) (gpm)

57.93 289650.00 201.15

Estimated Average Flow Total: 89.71
Night Usage 0.00

% to Max I/I 44.60%
Passed



MH43214 Basin 28D Summary

Flow Measurement Date(s): September 21 - September 23, 2016

MH43214 Basin 28D Flow Data Summary

	GPM	GPD
Estimated Average I/I	200.46	288,662.40
Maximum Allowable I/I	220.45	317,448.00
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 288,662.40 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)	
9/21/2016 1:00	2146.008545	3,090,252.30	9/22/2016 1:00	2099.373291	3,023,097.54	9/23/2016 1:00	227.260712	327,255.42	9/23/2016 1:00	227.260712	327,255.42	9/23/2016 1:00	227.260712	327,255.42	9/23/2016 1:00	227.260712	327,255.42
9/21/2016 1:15	2145.309082	3,089,245.08	9/22/2016 1:15	2091.141357	3,011,243.55	9/23/2016 1:15	223.870621	322,373.69	9/23/2016 1:15	223.870621	322,373.69	9/23/2016 1:15	223.870621	322,373.69	9/23/2016 1:15	223.870621	322,373.69
9/21/2016 1:30	2144.803711	3,088,517.34	9/22/2016 1:30	2084.374023	3,001,498.59	9/23/2016 1:30	220.529114	317,561.92	9/23/2016 1:30	220.529114	317,561.92	9/23/2016 1:30	220.529114	317,561.92	9/23/2016 1:30	220.529114	317,561.92
9/21/2016 1:45	2118.981689	3,051,333.63	9/22/2016 1:45	2069.850586	2,980,584.84	9/23/2016 1:45	218.590729	314,770.65	9/23/2016 1:45	218.590729	314,770.65	9/23/2016 1:45	218.590729	314,770.65	9/23/2016 1:45	218.590729	314,770.65
9/21/2016 2:00	2109.040771	3,037,018.71	9/22/2016 2:00	2049.85498	2,951,791.17	9/23/2016 2:00	215.526474	310,358.12	9/23/2016 2:00	215.526474	310,358.12	9/23/2016 2:00	215.526474	310,358.12	9/23/2016 2:00	215.526474	310,358.12
9/21/2016 2:15	2062.000732	2,969,281.05	9/22/2016 2:15	2047.227173	2,948,007.13	9/23/2016 2:15	203.481415	293,013.24	9/23/2016 2:15	203.481415	293,013.24	9/23/2016 2:15	203.481415	293,013.24	9/23/2016 2:15	203.481415	293,013.24
9/21/2016 2:30	2046.711792	2,947,264.98	9/22/2016 2:30	2018.708618	2,906,940.41	9/23/2016 2:30	199.4104	287,150.98	9/23/2016 2:30	199.4104	287,150.98	9/23/2016 2:30	199.4104	287,150.98	9/23/2016 2:30	199.4104	287,150.98
9/21/2016 2:45	2031.768311	2,925,746.37	9/22/2016 2:45	1991.579102	2,867,873.91	9/23/2016 2:45	199.296417	286,986.84	9/23/2016 2:45	199.296417	286,986.84	9/23/2016 2:45	199.296417	286,986.84	9/23/2016 2:45	199.296417	286,986.84
9/21/2016 3:00	2031.768311	2,925,746.37	9/22/2016 3:00	1985.806885	2,859,561.91	9/23/2016 3:00	199.296417	286,986.84	9/23/2016 3:00	199.296417	286,986.84	9/23/2016 3:00	199.296417	286,986.84	9/23/2016 3:00	199.296417	286,986.84
9/21/2016 3:15	2028.103882	2,920,469.59	9/22/2016 3:15	1965.376709	2,830,142.46	9/23/2016 3:15	205.187225	295,469.60	9/23/2016 3:15	205.187225	295,469.60	9/23/2016 3:15	205.187225	295,469.60	9/23/2016 3:15	205.187225	295,469.60
9/21/2016 3:30	2031.768311	2,925,746.37	9/22/2016 3:30	1956.056519	2,816,721.39	9/23/2016 3:30	205.867493	296,449.19	9/23/2016 3:30	205.867493	296,449.19	9/23/2016 3:30	205.867493	296,449.19	9/23/2016 3:30	205.867493	296,449.19
9/21/2016 3:45	2033.272461	2,927,912.34	9/22/2016 3:45	1956.056519	2,816,721.39	9/23/2016 3:45	212.552216	306,075.19	9/23/2016 3:45	212.552216	306,075.19	9/23/2016 3:45	212.552216	306,075.19	9/23/2016 3:45	212.552216	306,075.19
9/21/2016 4:00	2023.38855	2,913,679.51	9/22/2016 4:00	1962.883911	2,826,552.83	9/23/2016 4:00	212.552216	306,075.19	9/23/2016 4:00	212.552216	306,075.19	9/23/2016 4:00	212.552216	306,075.19	9/23/2016 4:00	212.552216	306,075.19
9/21/2016 4:15	2005.168091	2,887,442.05	9/22/2016 4:15	1971.147949	2,838,453.05	9/23/2016 4:15	206.227173	296,967.13	9/23/2016 4:15	206.227173	296,967.13	9/23/2016 4:15	206.227173	296,967.13	9/23/2016 4:15	206.227173	296,967.13
9/21/2016 4:30	1991.337524	2,867,526.04	9/22/2016 4:30	1973.585449	2,841,963.05	9/23/2016 4:30	207.005066	298,087.29	9/23/2016 4:30	207.005066	298,087.29	9/23/2016 4:30	207.005066	298,087.29	9/23/2016 4:30	207.005066	298,087.29
9/21/2016 4:45	1971.080444	2,838,355.84	9/22/2016 4:45	1973.585449	2,841,963.05	9/23/2016 4:45	213.72673	307,766.49	9/23/2016 4:45	213.72673	307,766.49	9/23/2016 4:45	213.72673	307,766.49	9/23/2016 4:45	213.72673	307,766.49
9/21/2016 5:00	1965.364502	2,830,124.88	9/22/2016 5:00	1966.080322	2,831,155.66	9/23/2016 5:00	202.016602	290,903.91	9/23/2016 5:00	202.016602	290,903.91	9/23/2016 5:00	202.016602	290,903.91	9/23/2016 5:00	202.016602	290,903.91
Estimated Average Flow		2052.11	Estimated Average Flow		2,893,780.70	Estimated Average Flow		210.14	Estimated Average Flow		302,603.04	Estimated Average Flow		210.14	Estimated Average Flow		302,603.04

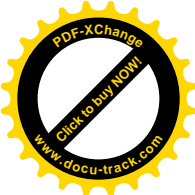
IDM Allowable I/I (gpd) (gpm)

63.49 317450.00 220.45

Estimated Average Flow Total: 1423.94 % to Max I/I Passed

Night Usage 1223.48 2,050,474.24 90.93%

1,761,811.20



MH41599 Basin 29 Summary

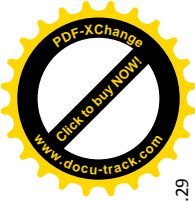
Flow Measurement Date(s): September 14 - September 16, 2016

MH41599 Basin 28 Data Flow Summary

	GPM	GPD
Estimated Average I/I	79.52	114,508.80
Maximum Allowable I/I	86.53	124,603.20
Station Status	Passed	

Flow Measurement Technology Description:

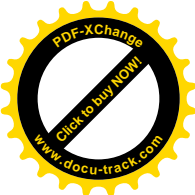
Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 114,508.80 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)	
9/14/2016 1:00	382.9872742	551,501.67	9/15/2016 1:00	231.6862793	333,628.24	9/16/2016 1:00	231.437698	333,270.29	9/16/2016 1:00	231.437698	333,270.29	9/16/2016 1:00	231.437698	333,270.29	9/16/2016 1:00	231.437698	333,270.29
9/14/2016 1:15	369.6689758	532,323.33	9/15/2016 1:15	230.1324921	331,390.79	9/16/2016 1:15	226.884415	326,713.56	9/16/2016 1:15	226.884415	326,713.56	9/16/2016 1:15	226.884415	326,713.56	9/16/2016 1:15	226.884415	326,713.56
9/14/2016 1:30	336.8768921	485,102.72	9/15/2016 1:30	228.4958344	329,034.00	9/16/2016 1:30	226.884415	326,713.56	9/16/2016 1:30	226.884415	326,713.56	9/16/2016 1:30	226.884415	326,713.56	9/16/2016 1:30	226.884415	326,713.56
9/14/2016 1:45	335.4296875	483,018.75	9/15/2016 1:45	222.6779938	320,656.31	9/16/2016 1:45	212.955597	306,656.06	9/16/2016 1:45	212.955597	306,656.06	9/16/2016 1:45	212.955597	306,656.06	9/16/2016 1:45	212.955597	306,656.06
9/14/2016 2:00	335.4296875	483,018.75	9/15/2016 2:00	221.2041168	318,533.93	9/16/2016 2:00	210.786758	303,532.93	9/16/2016 2:00	210.786758	303,532.93	9/16/2016 2:00	210.786758	303,532.93	9/16/2016 2:00	210.786758	303,532.93
9/14/2016 2:15	329.168457	474,002.58	9/15/2016 2:15	218.4020081	314,498.89	9/16/2016 2:15	207.559814	298,886.13	9/16/2016 2:15	207.559814	298,886.13	9/16/2016 2:15	207.559814	298,886.13	9/16/2016 2:15	207.559814	298,886.13
9/14/2016 2:30	333.7853394	480,650.89	9/15/2016 2:30	217.7164764	313,511.73	9/16/2016 2:30	210.068756	302,499.01	9/16/2016 2:30	210.068756	302,499.01	9/16/2016 2:30	210.068756	302,499.01	9/16/2016 2:30	210.068756	302,499.01
9/14/2016 2:45	331.4788208	477,329.50	9/15/2016 2:45	213.9504395	308,088.63	9/16/2016 2:45	209.108704	301,116.53	9/16/2016 2:45	209.108704	301,116.53	9/16/2016 2:45	209.108704	301,116.53	9/16/2016 2:45	209.108704	301,116.53
9/14/2016 3:00	331.2095642	476,941.77	9/15/2016 3:00	211.9911041	305,267.19	9/16/2016 3:00	209.108704	301,116.53	9/16/2016 3:00	209.108704	301,116.53	9/16/2016 3:00	209.108704	301,116.53	9/16/2016 3:00	209.108704	301,116.53
9/14/2016 3:15	331.2095642	476,941.77	9/15/2016 3:15	205.1366425	295,396.77	9/16/2016 3:15	209.317184	301,416.75	9/16/2016 3:15	209.317184	301,416.75	9/16/2016 3:15	209.317184	301,416.75	9/16/2016 3:15	209.317184	301,416.75
9/14/2016 3:30	332.1833496	478,344.02	9/15/2016 3:30	211.9911041	305,267.19	9/16/2016 3:30	209.108704	301,116.53	9/16/2016 3:30	209.108704	301,116.53	9/16/2016 3:30	209.108704	301,116.53	9/16/2016 3:30	209.108704	301,116.53
9/14/2016 3:45	332.1833496	478,344.02	9/15/2016 3:45	200.182785	288,263.21	9/16/2016 3:45	209.605774	301,832.31	9/16/2016 3:45	209.605774	301,832.31	9/16/2016 3:45	209.605774	301,832.31	9/16/2016 3:45	209.605774	301,832.31
9/14/2016 4:00	333.644928	480,448.70	9/15/2016 4:00	199.8115387	287,728.62	9/16/2016 4:00	202.519165	291,627.60	9/16/2016 4:00	202.519165	291,627.60	9/16/2016 4:00	202.519165	291,627.60	9/16/2016 4:00	202.519165	291,627.60
9/14/2016 4:15	345.2681274	497,186.10	9/15/2016 4:15	215.4992371	310,318.90	9/16/2016 4:15	209.974442	302,363.20	9/16/2016 4:15	209.974442	302,363.20	9/16/2016 4:15	209.974442	302,363.20	9/16/2016 4:15	209.974442	302,363.20
9/14/2016 4:30	348.9777832	502,528.01	9/15/2016 4:30	217.0923309	312,612.96	9/16/2016 4:30	212.865036	306,525.65	9/16/2016 4:30	212.865036	306,525.65	9/16/2016 4:30	212.865036	306,525.65	9/16/2016 4:30	212.865036	306,525.65
9/14/2016 4:45	356.5951843	513,497.07	9/15/2016 4:45	215.8167572	310,776.13	9/16/2016 4:45	219.992538	316,789.26	9/16/2016 4:45	219.992538	316,789.26	9/16/2016 4:45	219.992538	316,789.26	9/16/2016 4:45	219.992538	316,789.26
9/14/2016 5:00	367.043457	528,542.58	9/15/2016 5:00	219.0870972	315,485.42	9/16/2016 5:00	219.992538	316,789.26	9/16/2016 5:00	219.992538	316,789.26	9/16/2016 5:00	219.992538	316,789.26	9/16/2016 5:00	219.992538	316,789.26
Estimated Average Flow		343.13	Estimated Average Flow		216.52	Estimated Average Flow		214.01	Estimated Average Flow		214.01	Estimated Average Flow		214.01	Estimated Average Flow		214.01

IDM Allowable I/I (gpd) 24.92 (gpm) 86.53

Estimated Average Flow Total: 257.89
Night Usage 178.37
% to Max I/I 91.90%
Passed



MH43323 Basin 31A Summary

Flow Measurement Date(s): July 02 - July 04, 2016

MH43323 Basin 31A Flow Data Summary

	GPM	GPD
Estimated Average I/I	66.72	96,076.80
Maximum Allowable I/I	110.63	159,307.20
Station Status	Passed	

Flow Measurement Technology Description:

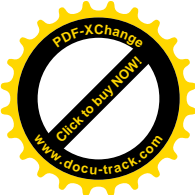
Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 96,076.80 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time		Flow (GPM)		Flow (GPD)		Instrument Date and Time		Flow (GPM)		Flow (GPD)	
7/2/2016 1:00	0	0.00	0.00	0	0.00	7/4/2016 1:00	71.7118454	71.7118454	103,265.06	103,265.06	
7/2/2016 1:15	0	0.00	0.00		80,403.94	7/4/2016 1:15	71.7118454	71.7118454	103,265.06	103,265.06	
7/2/2016 1:30	0	0.00	0.00		94,445.60	7/4/2016 1:30	63.5086823	63.5086823	91,452.50	91,452.50	
7/2/2016 1:45	28.00810051	40,331.66	40,331.66		83,223.50	7/4/2016 1:45	63.5086823	63.5086823	91,452.50	91,452.50	
7/2/2016 2:00	56.01620102	80,663.33	80,663.33		74,285.29	7/4/2016 2:00	102.969948	102.969948	148,276.72	148,276.72	
7/2/2016 2:15	42.16419983	60,716.45	60,716.45		119,982.55	7/4/2016 2:15	59.5987511	59.5987511	85,822.20	85,822.20	
7/2/2016 2:30	56.01620102	80,663.33	80,663.33		90,405.49	7/4/2016 2:30	102.969948	102.969948	148,276.72	148,276.72	
7/2/2016 2:45	58.21220779	83,825.58	83,825.58		74,285.29	7/4/2016 2:45	111.110992	111.110992	159,999.83	159,999.83	
7/2/2016 3:00	49.35919571	71,077.24	71,077.24		90,405.49	7/4/2016 3:00	111.110992	111.110992	159,999.83	159,999.83	
7/2/2016 3:15	63.17015076	90,965.02	90,965.02		90,405.49	7/4/2016 3:15	73.8596039	73.8596039	106,357.83	106,357.83	
7/2/2016 3:30	68.36334991	98,443.22	98,443.22		73,659.31	7/4/2016 3:30	127.728836	127.728836	183,929.52	183,929.52	
7/2/2016 3:45	63.17015076	90,965.02	90,965.02		70,812.85	7/4/2016 3:45	74.3058777	74.3058777	107,000.46	107,000.46	
7/2/2016 4:00	88.83272552	127,919.12	127,919.12		70,812.85	7/4/2016 4:00	120.688446	120.688446	173,791.36	173,791.36	
7/2/2016 4:15	89.58726501	129,005.66	129,005.66		70,812.85	7/4/2016 4:15	69.204895	69.204895	99,655.05	99,655.05	
7/2/2016 4:30	76.15732574	109,666.55	109,666.55		88,708.24	7/4/2016 4:30	120.688446	120.688446	173,791.36	173,791.36	
7/2/2016 4:45	61.46199417	88,505.27	88,505.27		92,601.89	7/4/2016 4:45	116.665222	116.665222	167,997.92	167,997.92	
7/2/2016 5:00	76.80419922	110,598.05	110,598.05		92,670.96	7/4/2016 5:00	120.930046	120.930046	174,139.27	174,139.27	
Estimated Average Flow		51.61	74,314.44		79,877.74	Estimated Average Flow		93.07	134,027.84		

IDM % to Max I/I 60.31%
Allowable I/I (gpd) 159300.00 (gpm) 110.63

Estimated Average Flow Total: 66.72
Night Usage 0.00
Passed



MH43321 Basin 31B Summary

Flow Measurement Date(s): July 13 - July 15, 2016

MH43321 Basin 31B Flow Data Summary

	GPM	GPD
Estimated Average I/I	105.02	151,228.80
Maximum Allowable I/I	197.64	284,601.60
Station Status	Passed	

Flow Measurement Technology Description:

Total flow at this facility was measured by Digital Doppler Radar velocity sensing technology combined with ultrasonic pulse echol level sensing to measure open channel flow. An In-Situ calibration was performed onsite prior to final deployment of flow meter per Miami-Dade Water and Sewer Standards. Measurements were taken at 1:00 AM thru 5:00 AM for a 72 hour period to insure redundancy of data. Wireless Monitoring Technology was also utilized to insure no fouling of the sensor. The flow measured corresponded to The Maximum measured I/I of 151,228.80 GPD is Less than the calculated maximum permitted I/I value of GPD. Therefore this system will not be required to carry out the additional inspection and/or remediation.



Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)	Instrument Date and Time	Flow (GPM)	Flow (GPD)
7/13/2016 1:00	266.42	383,650.05	7/14/2016 1:00	355.43	511,812.55	7/15/2016 1:00	332.23	478,414.01
7/18/2016 1:15	250.35	360,503.24	7/19/2016 1:15	354.86	510,995.72	7/20/2016 1:15	333.20	479,803.25
7/18/2016 1:30	501.07	721,536.64	7/19/2016 1:30	351.13	505,634.39	7/20/2016 1:30	331.89	477,918.15
7/18/2016 1:45	418.72	602,963.81	7/19/2016 1:45	348.27	501,514.37	7/20/2016 1:45	335.06	482,485.96
7/18/2016 2:00	358.38	516,060.13	7/19/2016 2:00	145.06	208,882.42	7/20/2016 2:00	312.78	450,408.72
7/18/2016 2:15	350.41	504,584.76	7/19/2016 2:15	145.06	208,882.42	7/20/2016 2:15	106.28	153,049.05
7/18/2016 2:30	612.06	881,372.16	7/19/2016 2:30	123.92	178,439.24	7/20/2016 2:30	115.17	165,843.09
7/18/2016 2:45	619.78	892,485.71	7/19/2016 2:45	132.95	191,450.81	7/20/2016 2:45	115.69	166,588.51
7/18/2016 3:00	626.14	901,642.90	7/19/2016 3:00	166.59	239,893.92	7/20/2016 3:00	256.62	369,535.56
7/18/2016 3:15	691.78	996,169.81	7/19/2016 3:15	176.48	254,131.35	7/20/2016 3:15	324.79	467,694.18
7/18/2016 3:30	132.47	190,751.81	7/19/2016 3:30	223.55	321,913.50	7/20/2016 3:30	324.79	467,694.18
7/18/2016 3:45	265.33	382,072.81	7/19/2016 3:45	223.55	321,913.50	7/20/2016 3:45	310.50	447,118.24
7/18/2016 4:00	385.47	555,076.74	7/19/2016 4:00	202.55	291,676.51	7/20/2016 4:00	278.55	401,106.49
7/18/2016 4:15	336.36	484,365.17	7/19/2016 4:15	119.41	171,949.08	7/20/2016 4:15	177.71	255,907.07
7/18/2016 4:30	364.01	524,168.77	7/19/2016 4:30	299.51	431,296.89	7/20/2016 4:30	122.18	175,940.20
7/18/2016 4:45	362.68	522,255.96	7/19/2016 4:45	283.30	407,957.01	7/20/2016 4:45	121.85	175,458.25
7/18/2016 5:00	359.57	517,773.89	7/19/2016 5:00	257.91	371,390.41	7/20/2016 5:00	123.44	177,749.87
Estimated Average Flow	405.94	584,554.96	Estimated Average Flow	229.97	331,160.83	Estimated Average Flow	236.63	340,747.93

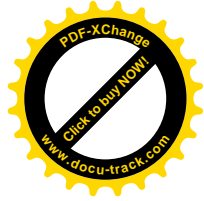
IDM Allowable I/I (gpd) (gpm)
56.92 284600.00 197.64

Estimated Average Flow Total: 290.85
Night Usage 185.83
IDM % to Max I/I 53.14%
Passed

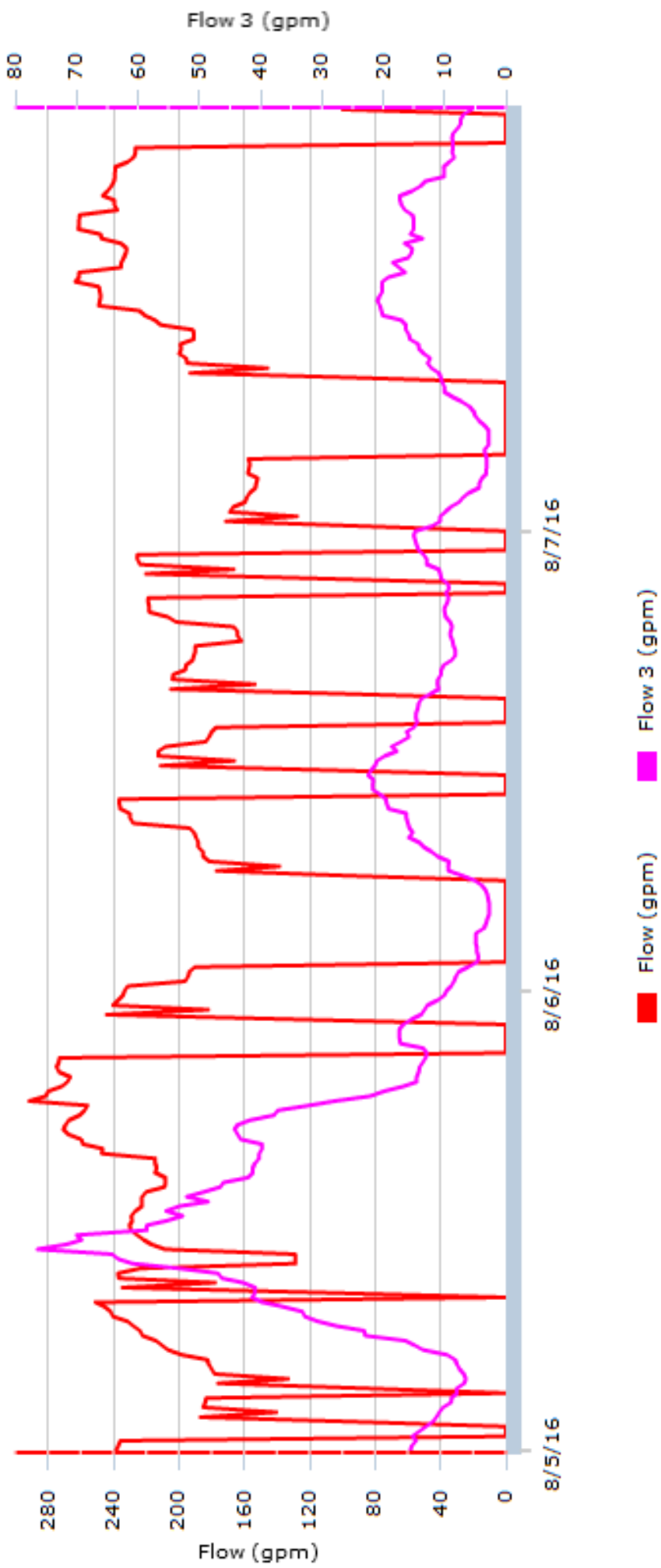


MH41599 basin29
6388 indian creek dr



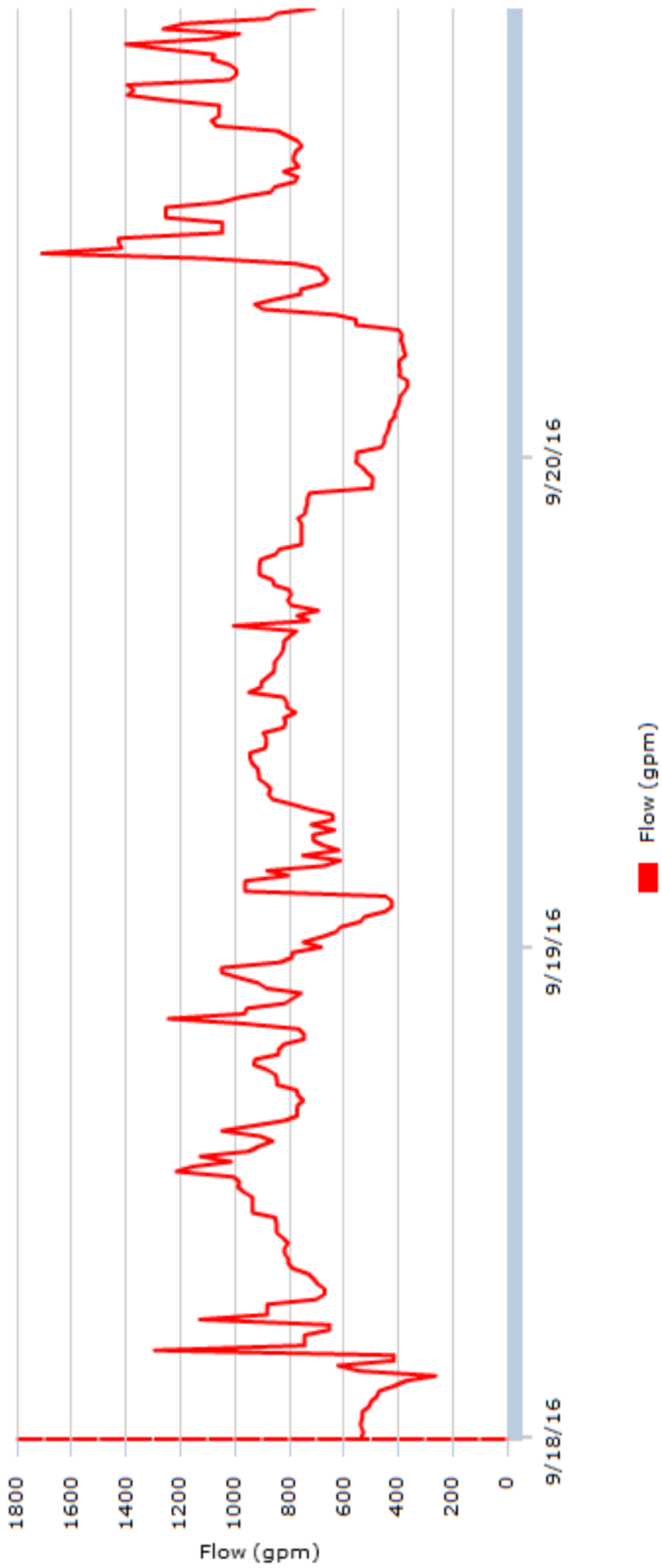


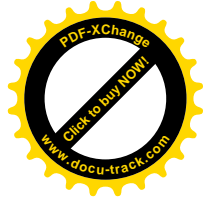
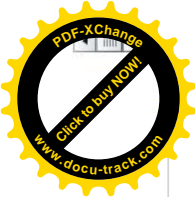
MH42138 basin28B
4147 meridian ave





MH42400 Basin27B
5401 Collins Ave Miami Beach





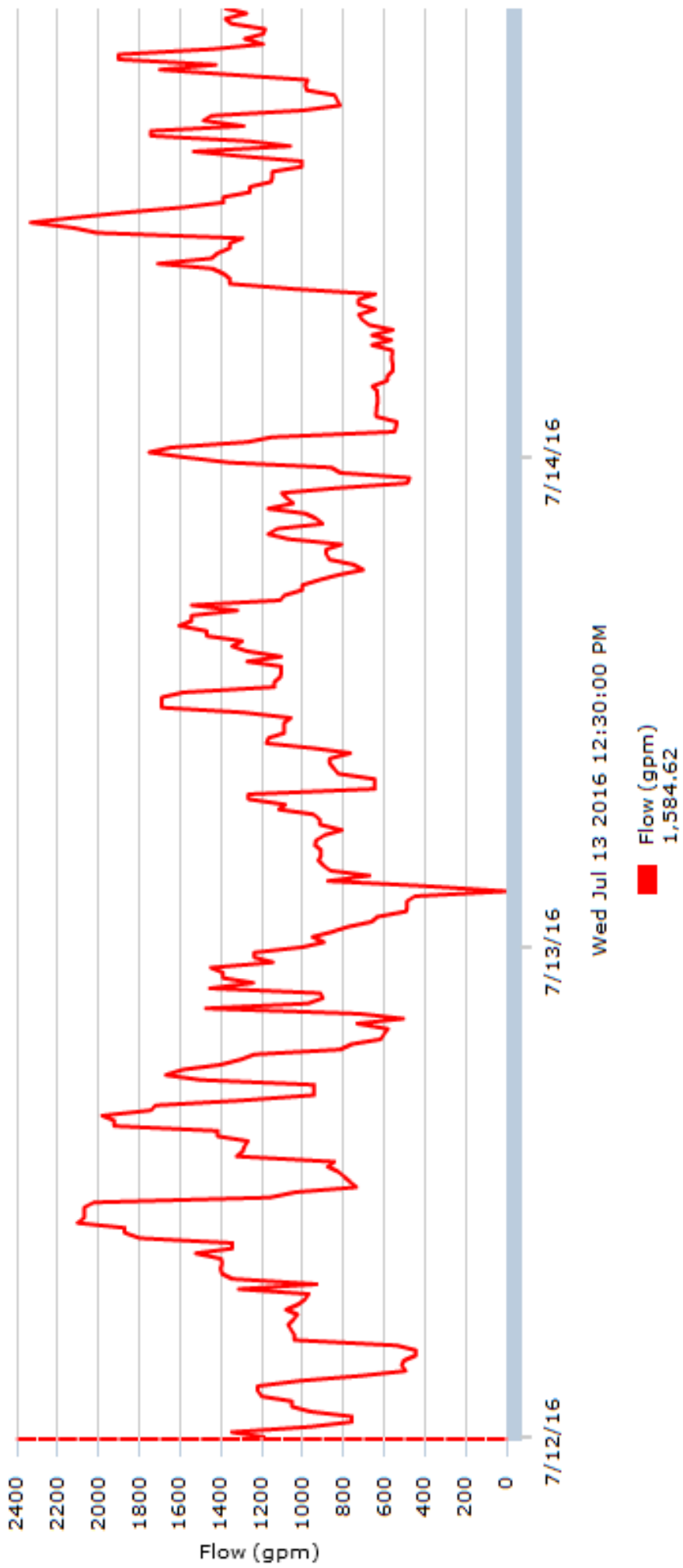
MH42532 Basin27A

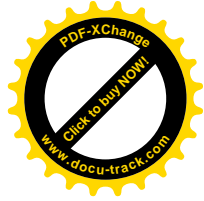
5400 Collins Ave



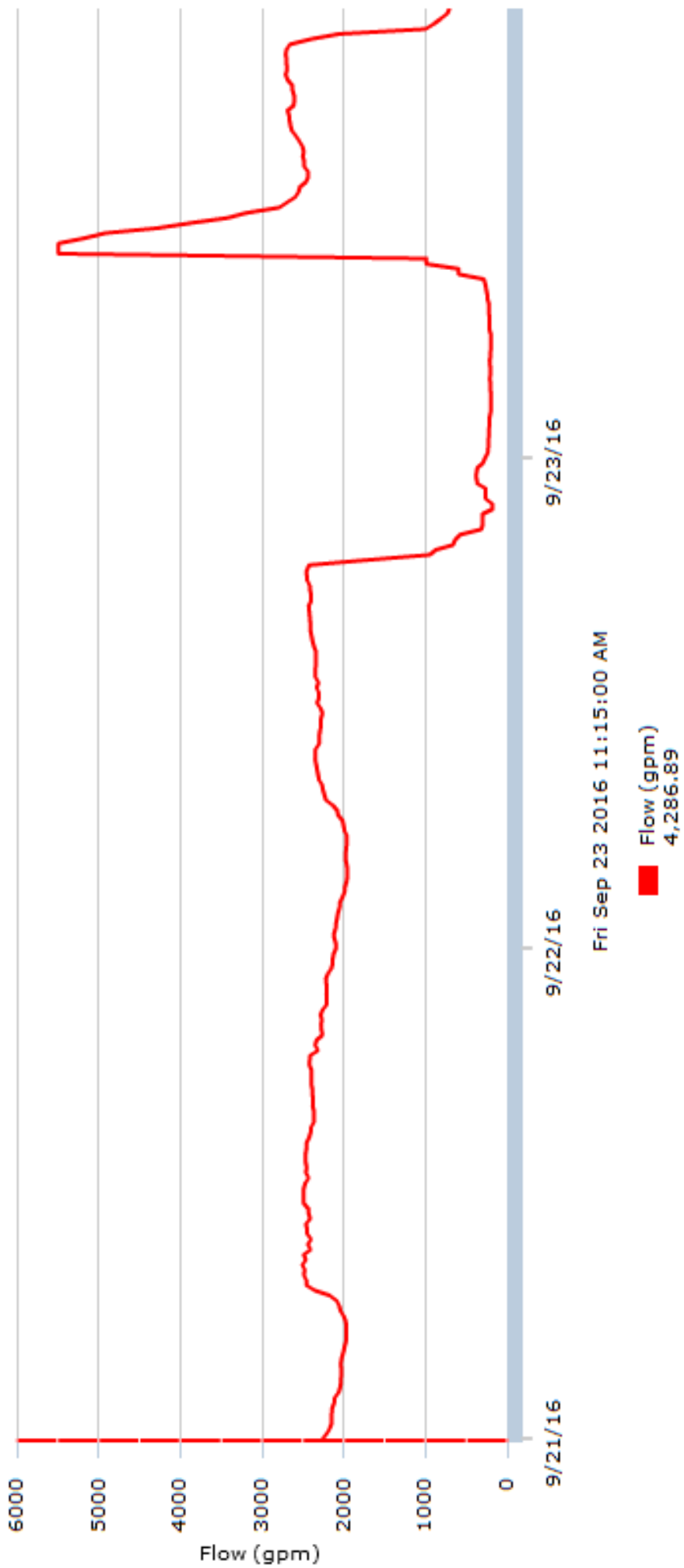


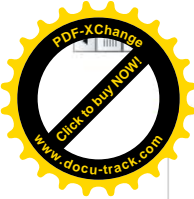
MH42578 Basin11
Jackie Gleason Dr





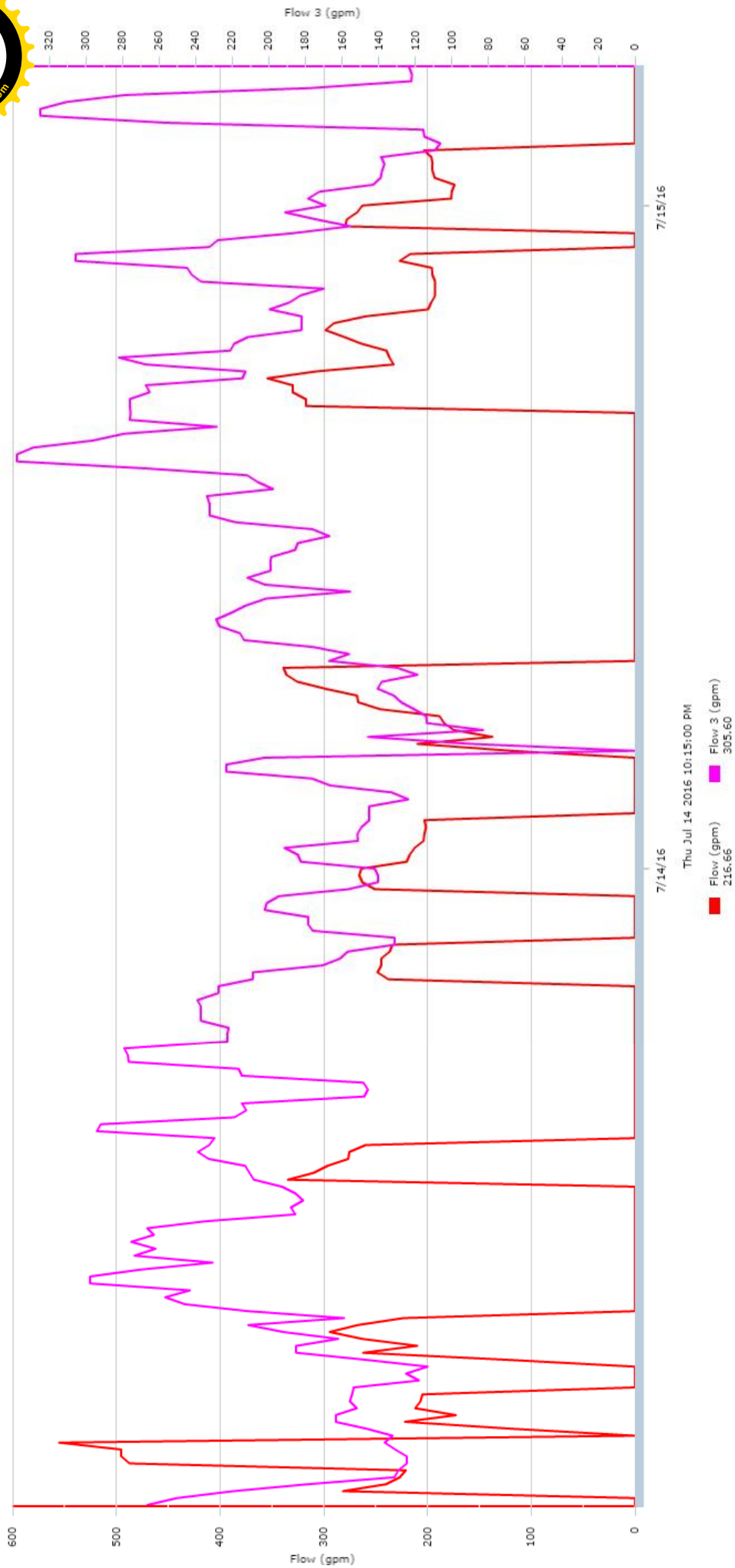
MH43214 basin28D
300 W 28th st Miami Beach





MH43321 Basin318

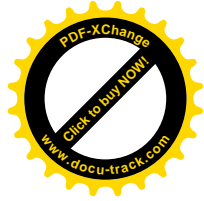
260 Euclid Ave



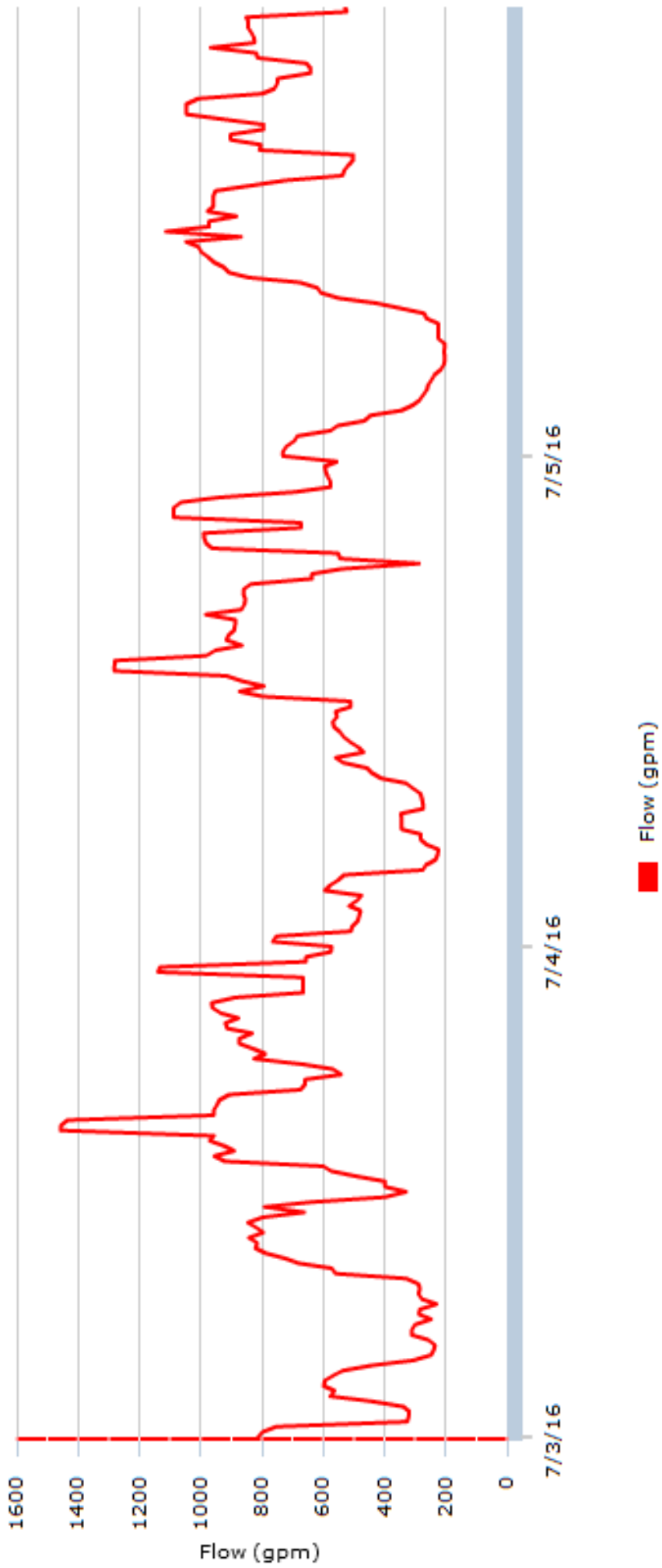


MH43323 Basin31A
248 Washington Av





MH43457 Basin 1B
810 11th St Miami Beach





Appendix C

Flow Monitoring Data

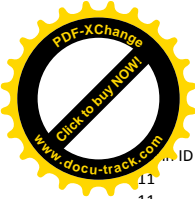
- Basin 1B
- Basin 11
- Basin 27A
- Basin 27B
- Basin 28B
- Basin 28D
- Basin 29
- Basin 31A
- Basin 31B



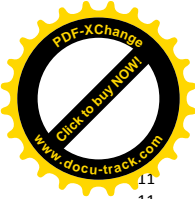
Appendix D

Water Consumption Data

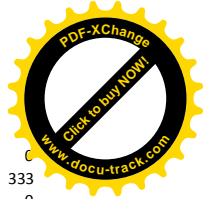
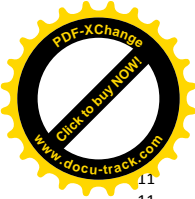
- Basin 11
- Basin 27B
- Basin 28D
- Basin 29



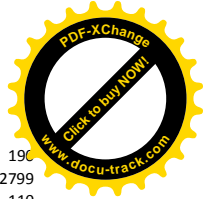
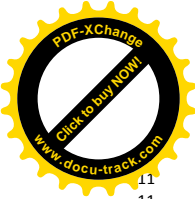
ID	Acct__	Acct_Type	Service_Lo	Use_Type	Meter_Size	June_2016	July_2016	AUG_2016
11	031237-00	comm	1836 JAMES AVE MIAMI BEACH FL 33139-7423	water	0.625		0	0
11	033712-00	hotel	1757 COLLINS AVE MIAMI BEACH FL 33139-2006	water	1.5		907	718
11	038968-00	comm	1621 COLLINS AVE MIAMI BEACH FL 33139-3112	water	1		235	278
11	042457-01	comm	1500 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	NA		0
11	077412-01	apart	2115 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	1		0	0
11	118729-00	city	1900 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	2		0	0
11	118729-00	city	1901 1/2 CONVENTION CENTER DR MIAMI BEACH FL 33139-1820	water	4		0	0
11	118794-00	city	1701 1/2 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2		0	0
11	118794-00	city	2100 COLLINS AVE MIAMI BEACH FL 33139	water	2		6764	4763
11	118794-00	city	2100 COLLINS AVE MIAMI BEACH FL 33139	water	2		590	8
11	118794-00	city	236 1/2 21ST ST MIAMI BEACH FL 33139	water	1		0	0
11	118794-00	city	236 1/2 21ST ST MIAMI BEACH FL 33139	water	2		18	78
11	118794-00	city	430 1/2 21ST ST MIAMI BEACH FL 33139-1705	water	2		83	148
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2		134	159
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2		5114	7253
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2		126	201
11	502356-00	city	2200 1/2 PARK AVE MIAMI BEACH FL 33139-1722	water	2		0	0
11	502594-02	comm	2000 COLLINS AVE MIAMI BEACH FL 33139	water	2		290	380
11	503734-01	city	1975 WASHINGTON AVE MIAMI BEACH FL 33139-1973	water	1	NA		0
11	505582-00	comm	1670 COLLINS AVE MIAMI BEACH FL 33139-3137	water	0.625		0	0
11	505590-01	comm	318 21ST ST MIAMI BEACH FL 33139-1703	water	2	NA		0
11	506763-03	hotel	1775 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2		935	1840
11	507740-01	apart	1600 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2		0	0
11	509343-01	res	1732 JAMES AVE MIAMI BEACH FL 33139-7507	water	2		0	0
11	509716-00	hotel	1685 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2		2249	3198
11	509716-00	hotel	1685 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2		2414	3045
11	509955-00	hotel	1701 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5		1228	1385
11	510944-00	comm	1925 WASHINGTON AVE MIAMI BEACH FL 33139-1973	water	2		166	198
11	511574-00	comm	1775 WASHINGTON AVE MIAMI BEACH FL 33139-7541	water	1		0	0
11	511634-01	hotel	1677 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2		3082	4849
11	511693-00	hotel	1751 COLLINS AVE MIAMI BEACH FL 33139-2006	water	1		572	928
11	511942-00	hotel	1650 JAMES AVE MIAMI BEACH FL 33139-3115	water	2		440	1296
11	512731-00	apart	1849 JAMES AVE MIAMI BEACH FL 33139-7424	water	1.5		1661	2504
11	512799-00	hotel	1720 COLLINS AVE MIAMI BEACH FL 33139-2007	water	1		78	102
11	512862-00	comm	1601 COLLINS AVE MIAMI BEACH FL 33139-3112	water	3		10076	14878
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2		2135	1984
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2		5070	7376
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2		0	0
11	512971-00	comm	2312 LIBERTY AVE MIAMI BEACH FL 33139	water	0.625		183	241
11	513234-00	comm	1503 OCEAN DR MIAMI BEACH FL 33139-3110	water	2		726	928
11	513559-00	comm	340 23RD ST MIAMI BEACH FL 33139-1716	water	0.625		0	0
11	513690-00	hotel	318 20TH ST MIAMI BEACH FL 33139-1908	water	2		1000	975
11	513690-00	hotel	318 20TH ST MIAMI BEACH FL 33139-1908	water	2		472	577
11	513916-01	hotel	1671 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2		266	397
11	514248-00	condo	1500 OCEAN DR MIAMI BEACH FL 33139-3105	water	3		3649	4755
11	514448-00	condo	1700 JAMES AVE MIAMI BEACH FL 33139-7507	water	1		0	0
11	516420-00	res	237 20TH ST MIAMI BEACH FL 33139-1905	water	1		0	0
11	517751-00	condo	1840 JAMES AVE MIAMI BEACH FL 33139-7423	water	1		0	0
11	518295-00	comm	1626 COLLINS AVE MIAMI BEACH FL 33139-3113	water	1		942	278
11	518663-00	comm	155 LINCOLN RD MIAMI BEACH FL 33139-2001	water	2		8061	9361
11	519450-01	comm	2140 PARK AVE MIAMI BEACH FL 33139-1749	water	1.5		1379	1496
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	1		667	1106
11	520044-03	hotel	1700 COLLINS AVE MIAMI BEACH FL 33139-2007	water	1.5		223	490
11	520148-00	city	1676 JAMES AVE MIAMI BEACH FL 33139-3115	water	2		0	410
11	520148-00	city	350 1/2 18TH ST MIAMI BEACH FL 33139	water	2		53	31
11	520148-00	city	220 1/2 18TH ST MIAMI BEACH FL 33139	water	2		101	132
11	520148-00	city	1795 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-7541	water	2		1064	416
11	520148-00	city	1895 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-7444	water	2		299	685
11	520148-00	city	2005 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-1974	water	2		0	0
11	520148-00	city	2105 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	2		9	11
11	520148-00	city	2121 1/2 PARK AVE MIAMI BEACH FL 33139-1756	water	0.625		317	281
11	520148-00	city	400 1/2 17TH ST MIAMI BEACH FL 33139	water	2		3656	3164
11	520148-00	city	1831 JAMES AVE MIAMI BEACH FL 33139-7424	water	2		344	354
11	520148-00	city	2129 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	0.625		0	0
11	520148-00	city	427 1/2 W 22ND ST MIAMI BEACH FL 33139-1706	water	1		422	387
11	520148-00	city	1745 JAMES AVE MIAMI BEACH FL 33139-7508	water	2		260	204
11	520161-00	comm	227 W 22ND ST MIAMI BEACH FL 33139-1707	water	1.5		0	0
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2		1937	2672
11	520549-00	condo	2228 PARK AVE MIAMI BEACH FL 33139-1722	water	0.625		0	0
11	520549-00	condo	2228 PARK AVE MIAMI BEACH FL 33139-1722	water	0.625		0	0
11	521160-00	comm	1685 JAMES AVE MIAMI BEACH FL 33139-3114	water	1.5		0	0
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2		1605	1590
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2		0	0
11	576774-01	city	640 17TH ST MIAMI BEACH FL 33139	water	3		0	0
11	576774-01	city	1660 COLLINS AVE MIAMI BEACH FL 33139-3137	water	1		0	0
11	576774-01	city	1700 WASHINGTON AVE MIAMI BEACH FL 33139-7540	water	3		0	0
11	576775-01	city	2101 COLLINS AVE MIAMI BEACH FL 33139	water	2		3835	4510
11	576776-01	city	1700 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-7540	water	3		0	319
11	576777-01	city	2020 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	1		172	31
11	576777-01	city	2020 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	2	NA		0



11	576777-01	city	1701 1/2 COLLINS AVE MIAMI BEACH FL 33139-2006	water	0.625	0	0	0
11	576777-01	city	2131 1/2 COLLINS AVE MIAMI BEACH FL 33139	water	4	0	0	3
11	576777-01	city	2138 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-1825	water	1.5	0	0	0
11	576778-01	city	2100 1/2 LIBERTY AVE MIAMI BEACH FL 33139	water	2	0	0	0
11	576778-01	city	2115 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	2	0	0	0
11	031187-00	condo	245 18TH ST MIAMI BEACH FL 33139-2011	water	2	1120	1114	1150
11	507460-01	hotel	1610 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	41	60	263
11	507740-01	apart	1600 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	0	0	0
11	507740-01	apart	1600 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	840	875	835
11	507740-01	apart	1600 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	858	860	833
11	507740-01	apart	1600 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	850	861	854
11	510944-00	comm	1925 WASHINGTON AVE MIAMI BEACH FL 33139-1973	water	1.5	596	602	501
11	512803-00	hotel	1737 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	1579	1963	1696
11	512803-00	hotel	1737 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	1586	1978	1711
11	512805-00	hotel	1717 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	1350	1878	1630
11	512805-00	hotel	1717 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	1390	1943	1682
11	521112-01	apart	235 18TH ST MIAMI BEACH FL 33139-2011	water	2	347	339	340
11	013276-00	city	2100 1/2 WASHINGTON AVE CTR MIAMI BEACH FL 33139-1824	water	2	0	0	0
11	013276-00	city	2100 1/2 WASHINGTON AVE REC MIAMI BEACH FL 33139-1824	water	1	0	0	0
11	031062-00	condo	1800 COLLINS AVE MIAMI BEACH FL 33139-7413	water	3	3000	3000	3000
11	031062-00	condo	1800 COLLINS AVE MIAMI BEACH FL 33139-7413	water	3	3000	3000	3000
11	031203-01	apart	1800 JAMES AVE MIAMI BEACH FL 33139-7465	water	2	2078	2297	1980
11	031229-00	condo	1820 JAMES AVE MIAMI BEACH FL 33139-7423	water	1.5	0	0	0
11	033373-00	comm	1701 WASHINGTON AVE MIAMI BEACH FL 33139-7513	water	2	101	92	94
11	033373-00	comm	1701 WASHINGTON AVE MIAMI BEACH FL 33139-7513	water	1.5	642	719	731
11	033373-00	comm	1701 WASHINGTON AVE MIAMI BEACH FL 33139-7513	water	1	657	943	846
11	033381-00	condo	1750 JAMES AVE MIAMI BEACH FL 33139-7507	water	3	1795	1895	2886
11	033399-00	condo	1776 JAMES AVE MIAMI BEACH FL 33139-7507	water	1.5	760	1095	970
11	033530-00	comm	1757 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5	294	288	323
11	033589-00	condo	1725 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5	634	703	574
11	033670-00	hotel	1741 COLLINS AVE MIAMI BEACH FL 33139-2006	water	3	6980	8548	7707
11	033712-00	hotel	1757 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	3000	3000	3000
11	034058-00	hotel	1680 COLLINS AVE MIAMI BEACH FL 33139-3137	water	2	1225	1364	1222
11	034058-00	hotel	1680 COLLINS AVE MIAMI BEACH FL 33139-3137	water	2	1261	1407	1251
11	042457-01	comm	1500 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	2219	2876	3158
11	077107-03	apart	1947 PARK AVE MIAMI BEACH FL 33139-1946	water	1.5	379	438	364
11	077107-03	apart	1947 PARK AVE MIAMI BEACH FL 33139-1946	water	1.5	374	484	429
11	077115-01	apart	1935 PARK AVE MIAMI BEACH FL 33139-1921	water	1	207	506	346
11	077412-01	apart	2115 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	2	45	56	34
11	077412-01	apart	2115 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	2	117	140	109
11	077891-00	comm	2330 LIBERTY AVE MIAMI BEACH FL 33139	water	1	0	1	1
11	118729-00	city	2000 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	2	0	0	0
11	118729-00	city	2010 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	6	0	0	0
11	118729-00	city	1900 1/2 WASHINGTON AVE MIAMI BEACH FL 33139	water	2	0	0	0
11	283556-00	condo	1621 COLLINS AVE MIAMI BEACH FL 33139-3112	water	3	0	0	0
11	283564-00	condo	1621 COLLINS AVE MIAMI BEACH FL 33139-3112	water	3	2743	3754	2776
11	290155-01	apart	220 23RD ST MIAMI BEACH FL 33139-1714	water	2	1778	2318	1859
11	299768-00	comm	331 23RD ST MIAMI BEACH FL 33139-1715	water	1	185	181	173
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	0	0	0
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	391	436	516
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	655	719	794
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	693	767	841
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	487	537	608
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	0	0	0
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	553	582	637
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	1029	1233	1371
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	491	532	603
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	718	1171	1311
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	3305	4550	4236
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	618	685	756
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	602	654	739
11	310607-01	condo	2001 COLLINS AVE MIAMI BEACH FL 33139-1913	water	2	3388	4591	4258
11	321786-00	comm	1654 COLLINS AVE MIAMI BEACH FL 33139-3137	water	2	524	1098	57
11	500671-02	hotel	2216 PARK AVE MIAMI BEACH FL 33139-1722	water	2	0	0	0
11	500671-02	hotel	2216 PARK AVE MIAMI BEACH FL 33139-1722	water	2	1631	2526	1646
11	500672-01	comm	2236 COLLINS AVE MIAMI BEACH FL 33139-1718	water	2	0	0	0
11	500672-01	comm	2236 COLLINS AVE MIAMI BEACH FL 33139-1718	water	3	158	300	209
11	500672-01	comm	2236 COLLINS AVE MIAMI BEACH FL 33139-1718	water	2	9	64	10
11	501011-01	hotel	230 20TH ST MIAMI BEACH FL 33139-1906	water	2	117	74	224
11	501012-01	hotel	1900 COLLINS AVE MIAMI BEACH FL 33139-1912	water	2	40	39	41
11	502139-00	apart	2150 PARK AVE MIAMI BEACH FL 33139-1709	water	1.5	0	621	545
11	502356-00	city	2201 1/2 PARK AVE MIAMI BEACH FL 33139	water	2	0	0	0
11	502356-00	city	2200 1/2 PARK AVE MIAMI BEACH FL 33139-1722	water	2	115	64	140
11	502593-00	hotel	150 20TH ST MIAMI BEACH FL 33139-1904	water	2	1232	935	1081
11	502593-00	hotel	150 20TH ST MIAMI BEACH FL 33139-1904	water	2	1085	834	969
11	502594-02	comm	2000 COLLINS AVE MIAMI BEACH FL 33139	water	2	1255	1627	1633
11	502594-02	comm	2000 COLLINS AVE MIAMI BEACH FL 33139	water	2	0	0	0
11	502594-02	comm	2000 COLLINS AVE MIAMI BEACH FL 33139	water	2	2605	3861	3625
11	502594-02	comm	2000 COLLINS AVE MIAMI BEACH FL 33139	water	2	2296	3369	3171
11	503121-01	comm	1676 COLLINS AVE MIAMI BEACH FL 33139-3137	water	1.5	30	31	33
11	503122-01	apart	2001 WASHINGTON AVE MIAMI BEACH FL 33139-1982	water	2	1728	1958	1664



11	503295-00	comm	2218 COLLINS AVE MIAMI BEACH FL 33139-1718	water	0.625	0	0	0
11	503554-01	comm	336 21ST ST MIAMI BEACH FL 33139-1783	water	2	500	271	333
11	503554-01	comm	336 21ST ST MIAMI BEACH FL 33139-1783	water	2	0	0	0
11	503730-01	city	1940 PARK AVE MIAMI BEACH FL 33139-1989	water	2	0	0	0
11	503734-01	city	1975 WASHINGTON AVE MIAMI BEACH FL 33139-1973	water	2	17	33	32
11	503936-00	hotel	1520 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	548	647	680
11	503936-00	hotel	1520 COLLINS AVE MIAMI BEACH FL 33139-3111	water	1.5	380	265	344
11	504153-00	comm	1918 LIBERTY AVE MIAMI BEACH FL 33139-1940	water	1.5	3692	1477	1136
11	504652-01	apart	334 20TH ST MIAMI BEACH FL 33139-1908	water	2	132	925	1388
11	504888-01	apart	300 17TH ST MIAMI BEACH FL 33139-7501	water	1.5	0	0	239
11	504888-01	apart	300 17TH ST MIAMI BEACH FL 33139-7501	water	2	128	164	129
11	504888-01	apart	300 17TH ST MIAMI BEACH FL 33139-7501	water	2	333	466	382
11	504888-01	apart	300 17TH ST MIAMI BEACH FL 33139-7501	water	2	124	170	150
11	505291-00	comm	1905 COLLINS AVE MIAMI BEACH FL 33139-1911	water	0.625	195	132	142
11	505582-00	comm	1670 COLLINS AVE MIAMI BEACH FL 33139-3137	water	0.625	10	12	20
11	505583-01	city	1965 WASHINGTON AVE MIAMI BEACH FL 33139-1973	water	1	106	104	46
11	505590-01	comm	318 21ST ST MIAMI BEACH FL 33139-1703	water	1.5	0	0	0
11	505835-00	apart	1900 LIBERTY AVE MIAMI BEACH FL 33139-1939	water	1	278	374	319
11	505836-00	apart	355 19TH ST MIAMI BEACH FL 33139-7404	water	1	1685	1606	436
11	505836-00	apart	355 19TH ST MIAMI BEACH FL 33139-7404	water	1	351	569	477
11	506190-00	hotel	1680 JAMES AVE MIAMI BEACH FL 33139-3115	water	2	1281	1520	1760
11	506380-02	comm	1506 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	1045	1107	1302
11	506763-03	hotel	1775 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	4443	5222	4821
11	507127-00	hotel	1931 COLLINS AVE MIAMI BEACH FL 33139-1911	water	1	16	19	15
11	507338-00	hotel	1850 COLLINS AVE MIAMI BEACH FL 33139-7413	water	2	1522	3826	3899
11	507338-00	hotel	1850 COLLINS AVE MIAMI BEACH FL 33139-7413	water	2	1603	2558	2609
11	507460-01	hotel	1610 COLLINS AVE MIAMI BEACH FL 33139-3113	water	2	64	137	290
11	508116-00	hotel	1550 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	2008	2227	2300
11	509024-00	hotel	100 21ST ST MIAMI BEACH FL 33139-1701	water	2	5151	6096	5229
11	509024-00	hotel	100 21ST ST MIAMI BEACH FL 33139-1701	water	2	7654	8932	7829
11	509024-00	hotel	100 21ST ST MIAMI BEACH FL 33139-1701	water	1.5	0	0	0
11	509318-00	comm	210 23RD ST MIAMI BEACH FL 33139-1714	water	1.5	216	239	194
11	509508-01	comm	1826 COLLINS AVE MIAMI BEACH FL 33139-7413	water	2	25	0	69
11	509508-01	comm	1826 COLLINS AVE MIAMI BEACH FL 33139-7413	water	2	140	211	139
11	509631-02	apart	337 20TH ST MIAMI BEACH FL 33139-1907	water	2	1849	2228	2159
11	509716-00	hotel	1685 COLLINS AVE MIAMI BEACH FL 33139-3136	water	3	11331	8663	8681
11	509955-00	hotel	1701 JAMES AVE MIAMI BEACH FL 33139-7508	water	2	1459	1452	1444
11	510262-00	apart	1919 LIBERTY AVE MIAMI BEACH FL 33139-1913	water	1	295	719	275
11	510262-00	apart	1919 LIBERTY AVE MIAMI BEACH FL 33139-1913	water	1	267	336	297
11	510263-01	apart	229 19TH ST MIAMI BEACH FL 33139-7402	water	1.5	45	44	43
11	510264-01	apart	1915 LIBERTY AVE MIAMI BEACH FL 33139-1917	water	1.5	0	0	0
11	510645-00	condo	1801 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	6060	7809	7332
11	510645-00	condo	1801 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	7090	9345	8636
11	510689-00	condo	100 LINCOLN RD MIAMI BEACH FL 33139-2013	water	3	3231	14555	15447
11	510689-00	condo	100 LINCOLN RD MIAMI BEACH FL 33139-2013	water	3	20418	31042	27889
11	510689-00	condo	100 LINCOLN RD MIAMI BEACH FL 33139-2013	water	0.625	5	11	9
11	511084-01	condo	435 21ST ST MIAMI BEACH FL 33139-1704	water	3	1130	1764	2016
11	511084-01	condo	435 21ST ST MIAMI BEACH FL 33139-1704	water	0.625	0	0	0
11	511336-00	comm	1662 COLLINS AVE MIAMI BEACH FL 33139-3137	water	2	1116	1215	1197
11	511392-01	hotel	2100 PARK AVE MIAMI BEACH FL 33139-1709	water	3	2384	2700	2394
11	511479-00	comm	2218 COLLINS AVE MIAMI BEACH FL 33139-1718	water	0.625	0	0	0
11	511574-00	comm	1775 WASHINGTON AVE MIAMI BEACH FL 33139-7541	water	2	979	1272	1092
11	511574-00	comm	1775 WASHINGTON AVE MIAMI BEACH FL 33139-7541	water	2	975	1980	1457
11	511634-01	hotel	1677 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2	4806	6071	5011
11	511634-01	hotel	1677 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2	4484	5473	4548
11	511693-00	hotel	1751 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	0	0	0
11	511746-00	condo	1881 WASHINGTON AVE MIAMI BEACH FL 33139-7444	water	2	1515	2100	1440
11	511746-00	condo	1881 WASHINGTON AVE MIAMI BEACH FL 33139-7444	water	2	1686	2325	1597
11	511941-00	comm	1751 WASHINGTON AVE MIAMI BEACH FL 33139-7541	water	1.5	927	514	407
11	511942-00	hotel	1650 JAMES AVE MIAMI BEACH FL 33139-3115	water	1.5	0	0	0
11	511942-00	hotel	1650 JAMES AVE MIAMI BEACH FL 33139-3115	water	3	4041	6180	4897
11	511942-00	hotel	1650 JAMES AVE MIAMI BEACH FL 33139-3115	water	1.5	50	79	85
11	512076-00	hotel	1921 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	107	272	219
11	512313-00	comm	1906 COLLINS AVE MIAMI BEACH FL 33139-1912	water	0.625	1256	1737	1641
11	512317-00	comm	1912 COLLINS AVE MIAMI BEACH FL 33139-1912	water	0.625	0	0	0
11	512491-00	hotel	1670 JAMES AVE MIAMI BEACH FL 33139-3115	water	1.5	2019	1984	1855
11	512494-00	hotel	1666 JAMES AVE MIAMI BEACH FL 33139	water	1	175	227	203
11	512494-00	hotel	1666 JAMES AVE MIAMI BEACH FL 33139	water	1.5	815	909	785
11	512679-00	comm	1960 PARK AVE MIAMI BEACH FL 33139-1992	water	1.5	1238	1229	1046
11	512731-00	apart	1849 JAMES AVE MIAMI BEACH FL 33139-7424	water	1.5	1634	1792	1914
11	512799-00	hotel	1720 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	3032	4249	3722
11	512862-00	comm	1601 COLLINS AVE MIAMI BEACH FL 33139-3112	water	4	22775	28376	10759
11	512862-00	comm	1601 COLLINS AVE MIAMI BEACH FL 33139-3112	water	3	17594	22063	9356
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	1	149	171	162
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	1.5	1220	1407	927
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	3	0	0	0
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	1	0	0	0
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	619	792	1133
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	819	985	1317
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	76	83	72
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	1.5	0	0	0



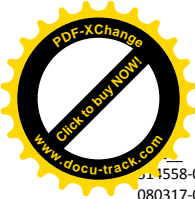
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	132	236	190
11	512946-00	hotel	1901 COLLINS AVE MIAMI BEACH FL 33139-1911	water	2	1566	2184	2799
11	512971-00	comm	2312 LIBERTY AVE MIAMI BEACH FL 33139	water	2	82	115	110
11	513234-00	comm	1503 OCEAN DR MIAMI BEACH FL 33139-3110	water	2	1373	1389	1421
11	513234-00	comm	1503 OCEAN DR MIAMI BEACH FL 33139-3110	water	2	0	0	0
11	513235-00	comm	211 23RD ST MIAMI BEACH FL 33139-1713	water	1.5	56	65	59
11	513561-00	comm	1627 COLLINS AVE MIAMI BEACH FL 33139-3112	water	1	635	658	553
11	513690-00	hotel	318 20TH ST MIAMI BEACH FL 33139-1908	water	2	995	1648	1086
11	513916-01	hotel	1671 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2	1714	2105	2093
11	513916-01	hotel	1671 COLLINS AVE MIAMI BEACH FL 33139-3136	water	2	1805	2341	2342
11	514086-00	apart	1676 JAMES AVE MIAMI BEACH FL 33139-3115	water	1.5	1030	914	939
11	514165-01	hotel	2000 LIBERTY AVE MIAMI BEACH FL 33139-1920	water	2	0	0	1
11	514165-01	hotel	2000 LIBERTY AVE MIAMI BEACH FL 33139-1920	water	1.5	2836	3841	2928
11	514248-00	condo	1500 OCEAN DR MIAMI BEACH FL 33139-3105	water	2	558	623	665
11	514248-00	condo	1500 OCEAN DR MIAMI BEACH FL 33139-3105	water	2	593	658	700
11	514248-00	condo	1500 OCEAN DR MIAMI BEACH FL 33139-3105	water	2	560	618	637
11	514448-00	condo	1700 JAMES AVE MIAMI BEACH FL 33139-7507	water	2	1060	962	1112
11	515059-00	comm	247 23RD ST MIAMI BEACH FL 33139-1713	water	0.625	0	0	0
11	515060-00	comm	247 23RD ST MIAMI BEACH FL 33139-1713	water	1	235	377	198
11	515732-01	hotel	1530 COLLINS AVE MIAMI BEACH FL 33139-3111	water	2	2199	2741	2287
11	515999-01	hotel	236 21ST ST MIAMI BEACH FL 33139-1785	water	1.5	513	609	537
11	515999-01	hotel	236 21ST ST MIAMI BEACH FL 33139-1785	water	2	2055	2549	2404
11	516395-00	hotel	1776 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	511	1470	1334
11	516395-00	hotel	1776 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	2172	1532	1403
11	516420-00	res	237 20TH ST MIAMI BEACH FL 33139-1905	water	2	432	543	493
11	517039-00	comm	323 23RD ST MIAMI BEACH FL 33139-1715	water	0.625	0	0	0
11	517039-00	comm	323 23RD ST MIAMI BEACH FL 33139-1715	water	2	48	69	47
11	517281-00	comm	1735 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5	0	0	0
11	517282-00	condo	1745 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5	3577	4016	3360
11	517295-01	comm	100 LINCOLN RD MIAMI BEACH FL 33139-2013	water	1.5	11	5	14
11	517751-00	condo	1840 JAMES AVE MIAMI BEACH FL 33139-7423	water	1.5	1438	847	729
11	518097-00	condo	1501 COLLINS AVE MIAMI BEACH FL 33139-3110	water	1	1117	1311	1062
11	518295-00	comm	1626 COLLINS AVE MIAMI BEACH FL 33139-3113	water	1.5	31	109	21
11	518504-01	comm	1475 COLLINS AVE MIAMI BEACH FL 33139-4103	water	2	0	0	0
11	518663-00	comm	155 LINCOLN RD MIAMI BEACH FL 33139-2001	water	2	4716	6228	5350
11	518663-00	comm	155 LINCOLN RD MIAMI BEACH FL 33139-2001	water	2	4526	5957	5227
11	518663-00	comm	155 LINCOLN RD MIAMI BEACH FL 33139-2001	water	2	5708	7629	6678
11	518663-00	comm	155 LINCOLN RD MIAMI BEACH FL 33139-2001	water	2	4258	5688	4886
11	519084-01	apart	1775 JAMES AVE MIAMI BEACH FL 33139-7508	water	2	1143	1362	1102
11	519293-01	comm	1817 JAMES AVE MIAMI BEACH FL 33139-7494	water	2	1217	1574	974
11	519295-01	comm	1831 JAMES AVE MIAMI BEACH FL 33139-7424	water	1.5	0	0	0
11	519295-01	comm	1831 JAMES AVE MIAMI BEACH FL 33139-7424	water	2	1147	1349	1429
11	519295-01	comm	1831 JAMES AVE MIAMI BEACH FL 33139-7424	water	2	1129	1327	1396
11	519296-01	apart	1835 JAMES AVE MIAMI BEACH FL 33139-7424	water	1.5	0	1	0
11	519450-01	comm	2140 PARK AVE MIAMI BEACH FL 33139-1749	water	1.5	170	157	138
11	519451-01	comm	2135 WASHINGTON CT MIAMI BEACH FL 33139-1828	water	2	61	93	104
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	0	0	0
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	3272	3777	3451
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	3224	3709	3373
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	2333	2617	2354
11	519555-01	hotel	1701 COLLINS AVE MIAMI BEACH FL 33139-2006	water	2	1484	1853	1520
11	519689-00	hotel	1756 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	5361	5256	4300
11	519690-00	hotel	1740 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	3814	6132	5216
11	519784-01	condo	2160 PARK AVE MIAMI BEACH FL 33139-1709	water	1.5	149	262	174
11	520044-03	hotel	1700 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	1099	1743	1780
11	520044-03	hotel	1700 COLLINS AVE MIAMI BEACH FL 33139-2007	water	2	1063	1559	1646
11	520148-00	city	400 1/2 17TH ST MIAMI BEACH FL 33139	water	2	57	52	0
11	520161-00	comm	227 W 22ND ST MIAMI BEACH FL 33139-1707	water	2	308	308	273
11	520161-00	comm	227 W 22ND ST MIAMI BEACH FL 33139-1707	water	2	236	236	210
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2	1412	2725	2264
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2	3034	3916	3291
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2	2911	3749	3143
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2	2798	3622	3026
11	520260-03	hotel	1545 COLLINS AVE MIAMI BEACH FL 33139-3110	water	2	2709	3497	2932
11	520543-00	condo	1751 JAMES AVE MIAMI BEACH FL 33139-7508	water	1.5	372	345	342
11	520549-00	condo	2228 PARK AVE MIAMI BEACH FL 33139-1722	water	1	50	190	62
11	520549-00	condo	2228 PARK AVE MIAMI BEACH FL 33139-1722	water	1	19	9	25
11	520596-00	comm	239 23RD ST MIAMI BEACH FL 33139-1713	water	0.625	0	0	0
11	520933-01	hotel	300 21ST ST MIAMI BEACH FL 33139-1703	water	2	2209	2608	2321
11	521039-00	condo	2129 WASHINGTON AVE MIAMI BEACH FL 33139-1826	water	2	327	436	438
11	521159-00	hotel	1690 COLLINS AVE MIAMI BEACH FL 33139-3137	water	1.5	0	1	0
11	521160-00	comm	1685 JAMES AVE MIAMI BEACH FL 33139-3114	water	3	2561	3053	3201
11	521160-00	comm	1685 JAMES AVE MIAMI BEACH FL 33139-3114	water	3	3595	3769	3410
11	521160-00	comm	1685 JAMES AVE MIAMI BEACH FL 33139-3114	water	2	789	1025	1526
11	521325-03	hotel	1825 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	746	552	622
11	521325-03	hotel	1825 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	2450	3431	3354
11	521325-03	hotel	1825 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	2238	3141	3081
11	521325-03	hotel	1825 COLLINS AVE MIAMI BEACH FL 33139-7414	water	2	2279	3203	3157
11	521402-01	hotel	1920 COLLINS AVE MIAMI BEACH FL 33139-1912	water	2	0	287	250
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2	0	0	0
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2	11266	14287	13912



11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2	11341	14312	13937
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2	0	0	1
11	521458-00	comm	2201 COLLINS AVE APT 4 MIAMI BEACH FL 33139-1717	water	2	10939	13710	13423
11	576777-01	city	2111 COLLINS AVE MIAMI BEACH FL 33139	water	1.5	813	1256	1087
11	576783-00	res	235 23RD ST MIAMI BEACH FL 33139-1713	water	2	431	1147	1079
11	576932-00	comm	2155 WASHINGTON CT MIAMI BEACH FL 33139-1828	water	2	0	0	0
11	576932-00	comm	2155 WASHINGTON CT MIAMI BEACH FL 33139-1828	water	2	269	397	280
11	576932-00	comm	2155 WASHINGTON CT MIAMI BEACH FL 33139-1828	water	2	255	378	268

Basin 11 Total Consumption:

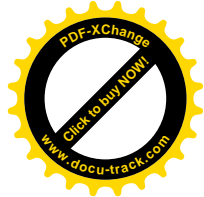
June 2016	July 2016	August 2016
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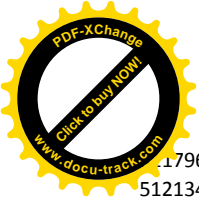
	Acct_Type	Service_Lo	Use_Type	Meter_Size	Augt_2016	Basin_ID
514558-00	condo	5801 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		631.00 27A
080317-00	condo	5500 COLLINS AVE MIAMI BEACH FL 33140-2520	water	1.5		588.00 27A
080317-00	condo	5500 COLLINS AVE MIAMI BEACH FL 33140-2520	water	2		1725.00 27A
080358-00	condo	5701 COLLINS AVE MIAMI BEACH FL 33140-2302	water	1.5		5248.00 27A
080713-00	condo	5660 COLLINS AVE MIAMI BEACH FL 33140-2401	water	2		2591.00 27A
510048-00	condo	5743 COLLINS AVE MIAMI BEACH FL 33140-2302	water	1.5		1495.00 27A
510230-00	condo	5900 COLLINS AVE MIAMI BEACH FL 33140-2260	water	1		0.00 27A
511031-00	condo	5601 COLLINS AVE MIAMI BEACH FL 33140-2402	water	1.5		13676.00 27A
511031-00	condo	5601 COLLINS AVE MIAMI BEACH FL 33140-2402	water	1.5		2531.00 27A
513021-00	condo	5600 COLLINS AVE MIAMI BEACH FL 33140-2400	water	3		6239.00 27A
514558-00	condo	5801 COLLINS AVE MIAMI BEACH FL 33140-2223	water	0.625		103.00 27A
520789-00	comm	5875 COLLINS AVE MIAMI BEACH FL 33140-2223	water	1		1138.00 27A
520789-00	comm	5875 COLLINS AVE MIAMI BEACH FL 33140-2223	water	1		1194.00 27A
576774-01	city	5600 COLLINS AVE MIAMI BEACH FL 33140-2400	water	0.625		0.00 27A
576774-01	city	5400 COLLINS AVE MIAMI BEACH FL 33140	water	2		231.00 27A
080242-00	condo	5555 COLLINS AVE MIAMI BEACH FL 33140-2521	water	3		8152.00 27A
080242-00	condo	5555 COLLINS AVE MIAMI BEACH FL 33140-2521	water	3		7476.00 27A
080325-00	condo	5500 COLLINS AVE MIAMI BEACH FL 33140-2520	water	3		0.00 27A
080325-00	condo	5500 COLLINS AVE MIAMI BEACH FL 33140-2520	water	3		6823.00 27A
080341-00	condo	5640 COLLINS AVE MIAMI BEACH FL 33140-2401	water	2		1720.00 27A
080358-00	condo	5701 COLLINS AVE MIAMI BEACH FL 33140-2302	water	2		4300.00 27A
080358-00	condo	5701 COLLINS AVE MIAMI BEACH FL 33140-2302	water	2		5085.00 27A
080358-00	condo	5701 COLLINS AVE MIAMI BEACH FL 33140-2302	water	2		4163.00 27A
080366-00	condo	5775 COLLINS AVE MIAMI BEACH FL 33140-2302	water	3		4695.00 27A
080382-00	condo	5825 COLLINS AVE MIAMI BEACH FL 33140-2223	water	3		5251.00 27A
080382-00	condo	5825 COLLINS AVE MIAMI BEACH FL 33140-2223	water	3		0.00 27A
080713-00	condo	5660 COLLINS AVE MIAMI BEACH FL 33140-2401	water	3		3920.00 27A
080713-00	condo	5660 COLLINS AVE MIAMI BEACH FL 33140-2401	water	3		3866.00 27A
080747-00	comm	5800 COLLINS AVE MIAMI BEACH FL 33140	water	2		861.00 27A
080754-00	condo	5838 COLLINS AVE MIAMI BEACH FL 33140-2221	water	3		6269.00 27A
118786-00	city	5400 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	0.625		880.00 27A
306761-00	condo	5750 COLLINS AVE MIAMI BEACH FL 33140-2301	water	3		0.00 27A
306761-00	condo	5750 COLLINS AVE MIAMI BEACH FL 33140-2301	water	3		3711.00 27A
320168-00	condo	5845 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		430.00 27A
320168-00	condo	5845 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		414.00 27A
506208-00	condo	5880 COLLINS AVE MIAMI BEACH FL 33140-2261	water	2		2138.00 27A
506208-00	condo	5880 COLLINS AVE MIAMI BEACH FL 33140-2261	water	2		1624.00 27A
507664-00	condo	5445 COLLINS AVE MIAMI BEACH FL 33140-2519	water	3		26509.00 27A
507664-00	condo	5445 COLLINS AVE MIAMI BEACH FL 33140-2519	water	3		29696.00 27A
510049-00	condo	5757 COLLINS AVE MIAMI BEACH FL 33140-2302	water	3		5292.00 27A
510049-00	condo	5757 COLLINS AVE MIAMI BEACH FL 33140-2302	water	3		5021.00 27A
510230-00	condo	5900 COLLINS AVE MIAMI BEACH FL 33140-2260	water	2		1960.00 27A
510230-00	condo	5900 COLLINS AVE MIAMI BEACH FL 33140-2260	water	1.5		324.00 27A
510230-00	condo	5900 COLLINS AVE MIAMI BEACH FL 33140-2260	water	2		2510.00 27A
511031-00	condo	5601 COLLINS AVE MIAMI BEACH FL 33140-2402	water	3		5650.00 27A
511031-00	condo	5601 COLLINS AVE MIAMI BEACH FL 33140-2402	water	3		5550.00 27A
511186-00	condo	5411 COLLINS AVE MIAMI BEACH FL 33140-2519	water	2		1734.00 27A
511186-00	condo	5411 COLLINS AVE MIAMI BEACH FL 33140-2519	water	2		1348.00 27A
512032-00	condo	5700 COLLINS AVE MIAMI BEACH FL 33140-2301	water	4		765.00 27A
512032-00	condo	5700 COLLINS AVE MIAMI BEACH FL 33140-2301	water	3		6136.00 27A
512032-00	condo	5700 COLLINS AVE MIAMI BEACH FL 33140-2301	water	3		6044.00 27A
513021-00	condo	5600 COLLINS AVE MIAMI BEACH FL 33140-2400	water	3		6150.00 27A
513021-00	condo	5600 COLLINS AVE MIAMI BEACH FL 33140-2400	water	3		6420.00 27A
514558-00	condo	5801 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		586.00 27A
514558-00	condo	5801 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		566.00 27A
520789-00	comm	5875 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		2778.00 27A
520789-00	comm	5875 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		2739.00 27A
520789-00	comm	5875 COLLINS AVE MIAMI BEACH FL 33140-2223	water	2		3199.00 27A

193386.00

433.21



Acct	AcctType	ServLoc	UseType	MeterSize	Sept_2016	Basin_ID
513999-00	condo	5151 COLLINS AVE MIAMI BEACH FL 33140-2707	water	3	0.00	27B
520148-00	city	5301 COLLINS AVE MIAMI BEACH FL 33140-2649	water	2	870.00	27B
080085-00	condo	5055 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	4135.00	27B
080135-00	condo	5255 COLLINS AVE MIAMI BEACH FL 33140-2572	water	2	831.00	27B
080135-00	condo	5255 COLLINS AVE MIAMI BEACH FL 33140-2572	water	1	0.00	27B
118794-00	city	4600 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	2	2698.00	27B
118794-00	city	4700 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	22.00	27B
132969-00	condo	4925 COLLINS AVE MIAMI BEACH FL 33140-2703	water	2	1641.00	27B
506951-00	condo	5001 COLLINS AVE MIAMI BEACH FL 33140-2705	water	2	14.00	27B
507474-00	condo	5005 COLLINS AVE MIAMI BEACH FL 33140-2704	water	1	45.00	27B
508184-00	condo	5313 COLLINS AVE MIAMI BEACH FL 33140-2649	water	1	0.00	27B
508266-00	condo	5225 COLLINS AVE MIAMI BEACH FL 33140-2514	water	3	11177.00	27B
508266-00	condo	5225 COLLINS AVE MIAMI BEACH FL 33140-2514	water	1	17.00	27B
511625-00	comm	4710 COLLINS AVE MIAMI BEACH FL 33140	water	2	0.00	27B
511733-00	comm	4900 COLLINS AVE MIAMI BEACH FL 33140	water	2	0.00	27B
511734-00	comm	4800 COLLINS AVE MIAMI BEACH FL 33140	water	2	233.00	27B
511796-00	condo	5025 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	945.00	27B
511796-00	condo	5025 COLLINS AVE MIAMI BEACH FL 33140-2749	water	1.5	2.00	27B
512134-01	hotel	4833 COLLINS AVE MIAMI BEACH FL 33140-2751	water	1	174.00	27B
512134-01	hotel	4833 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	9622.00	27B
513123-00	condo	5101 COLLINS AVE APT 8U MIAMI BEACH FL 33140-2725	water	3	12809.00	27B
513999-00	condo	5151 COLLINS AVE MIAMI BEACH FL 33140-2707	water	3	6378.00	27B
513999-00	condo	5151 COLLINS AVE MIAMI BEACH FL 33140-2707	water	2	1023.00	27B
517340-00	comm	4777 COLLINS AVE MIAMI BEACH FL 33140-3217	water	2	1808.00	27B
520148-00	city	5301 COLLINS AVE MIAMI BEACH FL 33140-2649	water	1.5	512.00	27B
520499-00	comm	4835 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	14083.00	27B
520499-00	comm	4835 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	15021.00	27B
576774-01	city	4900 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	104.00	27B
576774-01	city	5255 COLLINS AVE MIAMI BEACH FL 33140-2572	water	1.5	428.00	27B
576774-01	city	4740 COLLINS AVE MIAMI BEACH FL 33140	water	1	89.00	27B
576774-01	city	4747 COLLINS AVE MIAMI BEACH FL 33140-3217	water	1.5	0.00	27B
576774-01	city	5255 1/2 COLLINS AVE MIAMI BEACH FL 33140-2516	water	0.625	0.00	27B
576775-01	city	4600 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	2	0.00	27B
576776-01	city	5005 1/2 COLLINS AVE MIAMI BEACH FL 33140-2704	water	0.625	0.00	27B
576776-01	city	4600 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	2	0.00	27B
576776-01	city	4600 1/2 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	0.00	27B
576777-01	city	5315 1/2 COLLINS AVE MIAMI BEACH FL 33140-2517	water	0.625	0.00	27B
576778-01	city	5151 1/2 COLLINS AVE MIAMI BEACH FL 33140-2707	water	0.625	0.00	27B
576778-01	city	4775 1/2 COLLINS AVE MIAMI BEACH FL 33140-3217	water	1.5	0.00	27B
079699-00	condo	4747 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	7631.00	27B
079699-00	condo	4747 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	7890.00	27B
080085-00	condo	5055 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	2158.00	27B
080085-00	condo	5055 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	5768.00	27B
080085-00	condo	5055 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	2722.00	27B
080135-00	condo	5255 COLLINS AVE MIAMI BEACH FL 33140-2572	water	4	9536.00	27B
080150-00	condo	5333 COLLINS AVE MIAMI BEACH FL 33140-2517	water	2	3948.00	27B
080150-00	condo	5333 COLLINS AVE MIAMI BEACH FL 33140-2517	water	2	3847.00	27B
118422-00	city	5303 1/2 COLLINS AVE MIAMI BEACH FL 33140-2649	water	2	289.00	27B
132969-00	condo	4925 COLLINS AVE MIAMI BEACH FL 33140-2703	water	3	1899.00	27B
500305-00	condo	5401 COLLINS AVE MIAMI BEACH FL 33140-2519	water	3	16581.00	27B
500305-00	condo	5401 COLLINS AVE MIAMI BEACH FL 33140-2519	water	2	23.00	27B
500305-00	condo	5401 COLLINS AVE MIAMI BEACH FL 33140-2519	water	3	11874.00	27B
500316-00	condo	5401 COLLINS AVE MIAMI BEACH FL 33140-2519	water	1	126.00	27B
506951-00	condo	5001 COLLINS AVE MIAMI BEACH FL 33140-2705	water	3	4202.00	27B
506951-00	condo	5001 COLLINS AVE MIAMI BEACH FL 33140-2705	water	3	3822.00	27B
507474-00	condo	5005 COLLINS AVE MIAMI BEACH FL 33140-2704	water	3	9932.00	27B
507474-00	condo	5005 COLLINS AVE MIAMI BEACH FL 33140-2704	water	3	9958.00	27B
508184-00	condo	5313 COLLINS AVE MIAMI BEACH FL 33140-2649	water	3	5909.00	27B
508266-00	condo	5225 COLLINS AVE MIAMI BEACH FL 33140-2514	water	3	9814.00	27B
508266-00	condo	5225 COLLINS AVE MIAMI BEACH FL 33140-2514	water	3	7857.00	27B
511796-00	condo	5025 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	1852.00	27B
511796-00	condo	5025 COLLINS AVE MIAMI BEACH FL 33140-2749	water	3	2393.00	27B

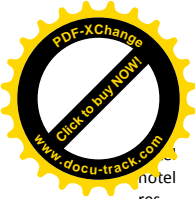


1796-00	condo	5025 COLLINS AVE MIAMI BEACH FL 33140-2749	water	2	507.00 27B
512134-01	hotel	4833 COLLINS AVE MIAMI BEACH FL 33140-2751	water	3	2145.00 27B
512134-01	hotel	4833 COLLINS AVE MIAMI BEACH FL 33140-2751	water	3	12136.00 27B
513123-00	condo	5101 COLLINS AVE APT 8U MIAMI BEACH FL 33140-2725	water	3	13988.00 27B
513123-00	condo	5101 COLLINS AVE APT 8U MIAMI BEACH FL 33140-2725	water	3	317.00 27B
513999-00	condo	5151 COLLINS AVE MIAMI BEACH FL 33140-2707	water	3	11367.00 27B
517339-00	condo	4775 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	7106.00 27B
517339-00	condo	4775 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	7834.00 27B
517340-00	comm	4777 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	2654.00 27B
517340-00	comm	4777 COLLINS AVE MIAMI BEACH FL 33140-3217	water	2	0.00 27B
517341-00	condo	4779 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	9022.00 27B
517341-00	condo	4779 COLLINS AVE MIAMI BEACH FL 33140-3217	water	3	0.00 27B
517341-00	condo	4779 COLLINS AVE MIAMI BEACH FL 33140-3217	water	2	0.00 27B
520499-00	comm	4835 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	545.00 27B
520499-00	comm	4835 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	0.00 27B
520499-00	comm	4835 COLLINS AVE MIAMI BEACH FL 33140-2751	water	2	0.00 27B
520836-00	hotel	4525 COLLINS AVE MIAMI BEACH FL 33140-3226	water	2	2183.00 27B
520836-00	hotel	4525 COLLINS AVE MIAMI BEACH FL 33140-3226	water	4	13241.00 27B
520836-00	hotel	4525 COLLINS AVE MIAMI BEACH FL 33140-3226	water	4	0.00 27B
520836-00	hotel	4525 COLLINS AVE MIAMI BEACH FL 33140-3226	water	4	21228.00 27B
576775-01	city	5255 1/2 COLLINS AVE MIAMI BEACH FL 33140-2516	water	3	989.00 27B

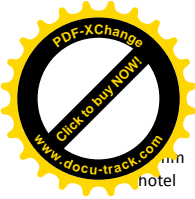
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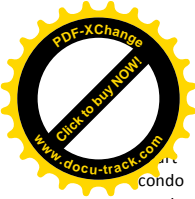
UseType	MeterSize	Sept_2016	Basin_ID
deduct	0.625	0.00	28D
deduct	1	1369.00	28D
deduct	0.625	16.00	28D
water	1	14.00	28D
water	1.5	69.00	28D
water	4	6653.00	28D
water	3	1545.00	28D
water	2	24.00	28D
water	2	0.00	28D
water	3	2783.00	28D
water	3	6973.00	28D
water	2	0.00	28D
water	2	0.00	28D
water	1.5	402.00	28D
water	2	1.00	28D
water	4	0.00	28D
water	1.5	1378.00	28D
water	1	14.00	28D
water	2	0.00	28D
water	3	5700.00	28D
water	3	2859.00	28D
water	1	96.00	28D
water	1.5	31.00	28D
water	2	0.00	28D
water	2	1.00	28D
water	2	114.00	28D
water	1.5	82.00	28D
water	1	27.00	28D
water	2	29.00	28D
water	2	0.00	28D
water	2	0.00	28D
water	1	0.00	28D
water	1.5	575.00	28D
water	2	0.00	28D
water	0.625	1.00	28D
water	1.5	0.00	28D
water	2	41.00	28D
water	2	5284.00	28D
water	2	37.00	28D
water	1.5	477.00	28D
water	2	740.00	28D
water	1	592.00	28D
water	2	0.00	28D
water	0.625	0.00	28D
water	2	608.00	28D
water	1.5	0.00	28D
water	1.5	1573.00	28D
water	1.5	90.00	28D
water	1.5	0.00	28D
water	2	255.00	28D
water	1	202.00	28D
water	1.5	248.00	28D
water	1.5	0.00	28D
water	1	38.00	28D
water	0.625	422.00	28D
water	2	6182.00	28D
water	2	51.00	28D
water	1.5	0.00	28D
water	2	912.00	28D
water	1	205.00	28D
water	2	695.00	28D
water	0.625	261.00	28D
water	1	113.00	28D
water	1	190.00	28D
water	2	4634.00	28D
water	1	360.00	28D
water	1	116.00	28D
water	1.5	0.00	28D
water	2	2317.00	28D
water	1.5	5760.00	28D
water	2	0.00	28D
water	1.5	80.00	28D
water	2	438.00	28D
water	0.625	201.00	28D
water	1	29.00	28D
water	1	77.00	28D
water	1	589.00	28D
water	0.625	488.00	28D
water	0.625	33.00	28D



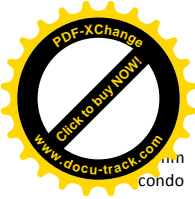
	3925 COLLINS AVE MIAMI BEACH FL 33140-3711	water	2	62.00 28D
hotel	3925 COLLINS AVE MIAMI BEACH FL 33140-3711	water	2	937.00 28D
res	2501 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1	1.00 28D
comm	2400 COLLINS AVE MIAMI BEACH FL 33140-4732	water	0.625	56.00 28D
res	2940 FLAMINGO DR MIAMI BEACH FL 33140-3917	water	1	113.00 28D
res	2687 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	1	0.00 28D
hotel	4041 COLLINS AVE APT 1502 MIAMI BEACH FL 33140-3762	water	2	4423.00 28D
comm	2322 COLLINS AVE MIAMI BEACH FL 33139-1604	water	1	1.00 28D
condo	2301 COLLINS AVE PH 8 MIAMI BEACH FL 33139-1601	water	2	541.00 28D
condo	2301 COLLINS AVE PH 8 MIAMI BEACH FL 33139-1601	water	2	4841.00 28D
res	2515 FLAMINGO DR MIAMI BEACH FL 33140-4314	water	1	547.00 28D
res	2575 FLAMINGO DR MIAMI BEACH FL 33140-4312	water	1.5	39.00 28D
apart	2425 FLAMINGO PL MIAMI BEACH FL 33140-4623	water	1	0.00 28D
city	100 39TH ST MIAMI BEACH FL 33140	water	2	0.00 28D
city	2401 1/2 PINE TREE DR MIAMI BEACH FL 33140	water	1	546.00 28D
city	2395 1/2 LAKE PANCOAST DR MIAMI BEACH FL 33140	water	1	193.00 28D
city	2365 1/2 PINE TREE DR MIAMI BEACH FL 33140	water	1	127.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	1784.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	5701.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	0.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	4900.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	2332.00 28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	1339.00 28D
comm	2727 INDIAN CREEK DR MIAMI BEACH FL 33140-4493	water	1	0.00 28D
hotel	4391 COLLINS AVE MIAMI BEACH FL 33140-3212	water	2	12.00 28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	0.00 28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	21072.00 28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	570.00 28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	472.00 28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	0.00 28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	2	0.00 28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	3	32638.00 28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	8955.00 28D
res	2621 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	2	0.00 28D
res	2525 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1	214.00 28D
res	2525 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1	208.00 28D
comm	2360 COLLINS AVE MIAMI BEACH FL 33139-1604	water	2	3808.00 28D
hotel	4385 COLLINS AVE MIAMI BEACH FL 33140-3212	water	2	0.00 28D
comm	228 W 40TH ST MIAMI BEACH FL 33140	water	1	0.00 28D
apart	3720 COLLINS AVE MIAMI BEACH FL 33140-4012	water	1	444.00 28D
condo	3801 COLLINS AVE MIAMI BEACH FL 33140-3705	water	2	5313.00 28D
hotel	4360 COLLINS AVE MIAMI BEACH FL 33140	water	1	990.00 28D
city	2700 1/2 COLLINS AVE MIAMI BEACH FL 33140-4406	water	1	0.00 28D
city	2687 1/2 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	1	0.00 28D
city	4211 INDIAN CREEK DR MIAMI BEACH FL 33140-3215	water	0.625	0.00 28D
city	2535 1/2 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1.5	216.00 28D
city	2700 1/2 COLLINS AVE MIAMI BEACH FL 33140-4406	water	2	209.00 28D
city	100 40TH ST MIAMI BEACH FL 33140	water	2	495.00 28D
city	2445 1/2 PINE TREE DR MIAMI BEACH FL 33140-4611	water	1.5	0.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	1.5	0.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	1.5	0.00 28D
city	2351 1/2 PINE TREE DR MIAMI BEACH FL 33140-4652	water	1.5	95.00 28D
city	3400 1/2 COLLINS AVE MIAMI BEACH FL 33140-4006	water	1.5	0.00 28D
city	2701 1/2 INDIAN CREEK DR MIAMI BEACH FL 33140-4429	water	0.625	0.00 28D
city	3011 1/2 COLLINS AVE MIAMI BEACH FL 33140-4106	water	1	8.00 28D
res	221 28TH ST MIAMI BEACH FL 33140-4403	water	1	0.00 28D
comm	232 30TH ST MIAMI BEACH FL 33140	water	1	223.00 28D
res	2645 PINE TREE DR MIAMI BEACH FL 33140-4321	water	1	105.00 28D
res	2625 PINE TREE DR MIAMI BEACH FL 33140-4321	water	1	7.00 28D
res	2601 PINE TREE DR MIAMI BEACH FL 33140-4321	water	1	398.00 28D
res	2644 FLAMINGO DR MIAMI BEACH FL 33140-4317	water	1.5	42.00 28D
res	2675 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	1.5	166.00 28D
res	2601 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1	43.00 28D
res	2901 FLAMINGO DR MIAMI BEACH FL 33140-3916	water	1.5	1000.00 28D
res	2908 FLAMINGO DR MIAMI BEACH FL 33140-3917	water	1	163.00 28D
res	2563 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1.5	20.00 28D
comm	2425 PINE TREE DR MIAMI BEACH FL 33140-4629	water	3	160.00 28D
condo	2445 FLAMINGO PL MIAMI BEACH FL 33140-4623	water	1.5	310.00 28D
condo	2455 FLAMINGO DR MIAMI BEACH FL 33140-4806	water	2	538.00 28D
comm	2318 COLLINS AVE MIAMI BEACH FL 33139-1604	water	2	73.00 28D
condo	2655 COLLINS AVE MIAMI BEACH FL 33140-4704	water	4	6439.00 28D
condo	2899 COLLINS AVE MIAMI BEACH FL 33140-4407	water	2	7527.00 28D
condo	2899 COLLINS AVE MIAMI BEACH FL 33140-4407	water	2	7241.00 28D
condo	2899 COLLINS AVE MIAMI BEACH FL 33140-4407	water	2	7518.00 28D
apart	3100 COLLINS AVE MIAMI BEACH FL 33140-4109	water	3	0.00 28D
apart	222 36TH ST MIAMI BEACH FL 33140-4002	water	0.625	73.00 28D
condo	3624 COLLINS AVE MIAMI BEACH FL 33140-4010	water	1.5	390.00 28D
condo	229 W 36TH ST MIAMI BEACH FL 33140-4001	water	0.625	54.00 28D
condo	229 W 36TH ST MIAMI BEACH FL 33140-4001	water	1	1.00 28D
comm	3605 INDIAN CREEK DR MIAMI BEACH FL 33140-4003	water	2	295.00 28D



mm	3800 COLLINS AVE MIAMI BEACH FL 33140-3710	water	4	8706.00 28D
hotel	3900 COLLINS AVE MIAMI BEACH FL 33140-3712	water	2	2111.00 28D
comm	227 39TH ST MIAMI BEACH FL 33140	water	1.5	681.00 28D
comm	4101 INDIAN CREEK DR MIAMI BEACH FL 33140-3214	water	2	361.00 28D
hotel	216 43RD ST MIAMI BEACH FL 33140-3209	water	2	2737.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	2	43.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	1.5	0.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	2	27.00 28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	2	1419.00 28D
apart	2445 PINE TREE DR MIAMI BEACH FL 33140-4611	water	1	125.00 28D
condo	2924 COLLINS AVE MIAMI BEACH FL 33140-4105	water	3	345.00 28D
condo	215 30TH ST MIAMI BEACH FL 33140-4101	water	1.5	821.00 28D
condo	3621 COLLINS AVE MIAMI BEACH FL 33140-4009	water	2	3798.00 28D
condo	2401 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	1413.00 28D
condo	2401 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	1428.00 28D
condo	2401 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	1475.00 28D
condo	2401 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	1476.00 28D
condo	2625 COLLINS AVE MIAMI BEACH FL 33140-4704	water	4	1493.00 28D
condo	2625 COLLINS AVE MIAMI BEACH FL 33140-4704	water	4	2211.00 28D
condo	3501 INDIAN CREEK DR MIAMI BEACH FL 33140-4015	water	2	466.00 28D
condo	4141 COLLINS AVE MIAMI BEACH FL 33140-3210	water	2	675.00 28D
condo	4141 COLLINS AVE MIAMI BEACH FL 33140-3210	water	2	623.00 28D
condo	4015 INDIAN CREEK DR MIAMI BEACH FL 33140-3708	water	1	589.00 28D
condo	4122 COLLINS AVE MIAMI BEACH FL 33140-3211	water	2	179.00 28D
condo	2939 INDIAN CREEK DR MIAMI BEACH FL 33140-4110	water	3	0.00 28D
res	2653 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	0.625	94.00 28D
condo	2555 COLLINS AVE MIAMI BEACH FL 33140-4703	water	2	4305.00 28D
condo	2555 COLLINS AVE MIAMI BEACH FL 33140-4703	water	2	5234.00 28D
condo	2555 COLLINS AVE MIAMI BEACH FL 33140-4703	water	2	4720.00 28D
condo	3200 COLLINS AVE MIAMI BEACH FL 33140-4024	water	3	0.00 28D
condo	4301 COLLINS AVE MIAMI BEACH FL 33140-3212	water	3	2529.00 28D
condo	3637 INDIAN CREEK DR MIAMI BEACH FL 33140-4032	water	2	849.00 28D
condo	2457 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	828.00 28D
condo	2457 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	905.00 28D
res	2570 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1.5	93.00 28D
condo	2444 FLAMINGO PL MIAMI BEACH FL 33140-4368	water	1	128.00 28D
hotel	2901 COLLINS AVE MIAMI BEACH FL 33140-4104	water	3	20562.00 28D
hotel	2901 COLLINS AVE MIAMI BEACH FL 33140-4104	water	3	177.00 28D
res	2637 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	0.625	129.00 28D
res	320 W 26TH ST MIAMI BEACH FL 33140-4305	water	1.5	180.00 28D
condo	2457 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	867.00 28D
comm	2830 COLLINS AVE MIAMI BEACH FL 33140-4408	water	1.5	0.00 28D
apart	2456 FLAMINGO DR FLAMINGO MIAMI BEACH FL 33140-4649	water	1.5	277.00 28D
comm	2421 LAKE PANCOAST DR MIAMI BEACH FL 33140-4627	water	2	727.00 28D
comm	2445 LAKE PANCOAST DR MIAMI BEACH FL 33140-4627	water	2	1274.00 28D
res	2655 PINE TREE DR MIAMI BEACH FL 33140-4321	water	1.5	588.00 28D
hotel	4299 COLLINS AVE MIAMI BEACH FL 33140-3228	water	2	4517.00 28D
hotel	4299 COLLINS AVE MIAMI BEACH FL 33140-3228	water	2	4524.00 28D
res	225 37TH ST MIAMI BEACH FL 33140-4025	water	0.625	28.00 28D
comm	3601 COLLINS AVE MIAMI BEACH FL 33140-4009	water	2	2973.00 28D
condo	3101 INDIAN CREEK DR MIAMI BEACH FL 33140-4157	water	2	1384.00 28D
res	2545 FLAMINGO DR MIAMI BEACH FL 33140-4314	water	1	1051.00 28D
res	325 W 26TH ST MIAMI BEACH FL 33140-4304	water	1.5	200.00 28D
condo	2829 INDIAN CREEK DR MIAMI BEACH FL 33140-4753	water	3	2217.00 28D
condo	2829 INDIAN CREEK DR MIAMI BEACH FL 33140-4753	water	3	2166.00 28D
hotel	2700 COLLINS AVE MIAMI BEACH FL 33140-4406	water	2	1290.00 28D
apart	222 28TH ST MIAMI BEACH FL 33140-4404	water	1.5	182.00 28D
apart	2365 PINE TREE DR MIAMI BEACH FL 33140-4610	water	1.5	2415.00 28D
apart	2335 PINE TREE DR MIAMI BEACH FL 33140-4628	water	1	1412.00 28D
apart	2315 PINE TREE DR MIAMI BEACH FL 33140-4613	water	1	1662.00 28D
apart	320 W 24TH ST MIAMI BEACH FL 33140-4606	water	1	463.00 28D
apart	2380 FLAMINGO DR MIAMI BEACH FL 33140-4684	water	1.5	1088.00 28D
apart	2370 FLAMINGO DR MIAMI BEACH FL 33140-4622	water	1.5	814.00 28D
comm	2395 LAKE PANCOAST DR MIAMI BEACH FL 33140-4803	water	1.5	317.00 28D
apart	2420 FLAMINGO DR MIAMI BEACH FL 33140-4630	water	1.5	281.00 28D
apart	334 W 25TH ST MIAMI BEACH FL 33140-4619	water	1.5	439.00 28D
condo	4021 INDIAN CREEK DR MIAMI BEACH FL 33140-3708	water	2	457.00 28D
condo	3600 COLLINS AVE MIAMI BEACH FL 33140-4010	water	2	264.00 28D
condo	3588 COLLINS AVE MIAMI BEACH FL 33140-4008	water	2	27.00 28D
hotel	2730 COLLINS AVE MIAMI BEACH FL 33140-4406	water	2	1456.00 28D
apart	2814 COLLINS AVE MIAMI BEACH FL 33140-4408	water	2	0.00 28D
res	2840 FLAMINGO DR MIAMI BEACH FL 33140-3915	water	1	364.00 28D
condo	2600 COLLINS AVE MIAMI BEACH FL 33140-4705	water	2	459.00 28D
condo	2600 COLLINS AVE MIAMI BEACH FL 33140-4705	water	2	350.00 28D
hotel	3025 COLLINS AVE MIAMI BEACH FL 33140-4106	water	2	6588.00 28D
hotel	3025 COLLINS AVE MIAMI BEACH FL 33140-4106	water	2	6767.00 28D



condo	4121 INDIAN CREEK DR MIAMI BEACH FL 33140-3297	water	2	1002.00 28D
condo	3411 INDIAN CREEK DR MIAMI BEACH FL 33140-4014	water	2	554.00 28D
condo	3411 INDIAN CREEK DR MIAMI BEACH FL 33140-4014	water	2	600.00 28D
condo	3901 INDIAN CREEK DR MIAMI BEACH FL 33140-3742	water	2	127.00 28D
condo	3901 INDIAN CREEK DR MIAMI BEACH FL 33140-3742	water	2	154.00 28D
apart	2440 FLAMINGO DR MIAMI BEACH FL 33140-4605	water	1.5	720.00 28D
condo	4201 COLLINS AVE MIAMI BEACH FL 33140-3228	water	2	2280.00 28D
condo	4201 COLLINS AVE MIAMI BEACH FL 33140-3228	water	2	2253.00 28D
res	2900 FLAMINGO DR MIAMI BEACH FL 33140-3917	water	1.5	50.00 28D
hotel	2912 COLLINS AVE MIAMI BEACH FL 33140-4105	water	2	0.00 28D
comm	2530 PINE TREE DR MIAMI BEACH FL 33140-4367	water	1.5	491.00 28D
condo	2463 PINE TREE DR MIAMI BEACH FL 33140-4629	water	1.5	193.00 28D
condo	406 W 25TH ST MIAMI BEACH FL 33140-4620	water	1.5	101.00 28D
hotel	230 31ST ST MIAMI BEACH FL 33140-4103	water	0.625	1469.00 28D
comm	224 31ST ST MIAMI BEACH FL 33140-4103	water	1.5	1278.00 28D
res	2505 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1	35.00 28D
condo	255 W 24TH ST MIAMI BEACH FL 33140-4672	water	2	1385.00 28D
condo	3700 COLLINS AVE MIAMI BEACH FL 33140-4012	water	2	1729.00 28D
condo	3710 COLLINS AVE MIAMI BEACH FL 33140-4012	water	1.5	1191.00 28D
condo	4000 COLLINS AVE MIAMI BEACH FL 33140-3714	water	2	1.00 28D
condo	4000 COLLINS AVE MIAMI BEACH FL 33140-3714	water	2	66.00 28D
condo	3025 INDIAN CREEK DR MIAMI BEACH FL 33140-4151	water	2	1058.00 28D
res	2850 FLAMINGO DR MIAMI BEACH FL 33140-3915	water	1	50.00 28D
res	2550 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1.5	216.00 28D
condo	4025 INDIAN CREEK DR MIAMI BEACH FL 33140-3708	water	1.5	641.00 28D
hotel	4343 COLLINS AVE MIAMI BEACH FL 33140-3212	water	2	7012.00 28D
hotel	4343 COLLINS AVE MIAMI BEACH FL 33140-3212	water	2	6238.00 28D
condo	2642 COLLINS AVE MIAMI BEACH FL 33140-4705	water	3	2031.00 28D
hotel	3101 COLLINS AVE MIAMI BEACH FL 33140-4108	water	2	4736.00 28D
hotel	3101 COLLINS AVE MIAMI BEACH FL 33140-4108	water	2	4417.00 28D
hotel	3101 COLLINS AVE MIAMI BEACH FL 33140-4108	water	2	2541.00 28D
apart	2811 INDIAN CREEK DR MIAMI BEACH FL 33140-4712	water	1	5.00 28D
res	2945 FLAMINGO DR MIAMI BEACH FL 33140-3916	water	1.5	98.00 28D
apart	225 W 27TH ST MIAMI BEACH FL 33140-4401	water	1.5	966.00 28D
res	2534 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1	62.00 28D
apart	4001 INDIAN CREEK DR MIAMI BEACH FL 33140-3723	water	1.5	810.00 28D
res	2925 FLAMINGO DR MIAMI BEACH FL 33140-3916	water	1.5	312.00 28D
apart	241 28TH ST MIAMI BEACH FL 33140-4403	water	1	63.00 28D
comm	2469 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	5275.00 28D
comm	2469 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	2788.00 28D
hotel	3737 COLLINS AVE MIAMI BEACH FL 33140-4011	water	2	5141.00 28D
hotel	3737 COLLINS AVE MIAMI BEACH FL 33140-4011	water	2	0.00 28D
condo	3120 COLLINS AVE MIAMI BEACH FL 33140-4109	water	2	26.00 28D
condo	3120 COLLINS AVE MIAMI BEACH FL 33140-4109	water	1.5	72.00 28D
hotel	4333 COLLINS AVE MIAMI BEACH FL 33140-3212	water	4	16618.00 28D
condo	3801 INDIAN CREEK DR MIAMI BEACH FL 33140-3707	water	2	3066.00 28D
hotel	4101 COLLINS AVE MIAMI BEACH FL 33140-3210	water	2	9848.00 28D
hotel	4101 COLLINS AVE MIAMI BEACH FL 33140-3210	water	2	8244.00 28D
res	3737 INDIAN CREEK DR MIAMI BEACH FL 33140-4019	water	2	851.00 28D
res	3737 INDIAN CREEK DR MIAMI BEACH FL 33140-4019	water	2	422.00 28D
res	2543 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1	31.00 28D
hotel	3500 COLLINS AVE MIAMI BEACH FL 33140-4008	water	2	2372.00 28D
apart	3003 INDIAN CREEK DR MIAMI BEACH FL 33140-4111	water	1.5	26.00 28D
res	2630 FLAMINGO DR MIAMI BEACH FL 33140-4317	water	1	94.00 28D
res	2915 FLAMINGO DR MIAMI BEACH FL 33140-3916	water	1	127.00 28D
res	2545 FLAMINGO PL MIAMI BEACH FL 33140-4314	water	1	42.00 28D
res	2505 FLAMINGO DR MIAMI BEACH FL 33140-4314	water	1.5	128.00 28D
apart	237 W 38TH ST MIAMI BEACH FL 33140-3702	water	0.625	187.00 28D
res	2561 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1	85.00 28D
apart	2385 FLAMINGO DR MIAMI BEACH FL 33140-4621	water	1	292.00 28D
hotel	3925 COLLINS AVE MIAMI BEACH FL 33140-3711	water	2	7358.00 28D
hotel	3925 COLLINS AVE MIAMI BEACH FL 33140-3711	water	2	7683.00 28D
hotel	3925 COLLINS AVE MIAMI BEACH FL 33140-3711	water	4	2592.00 28D
res	2501 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1	67.00 28D
hotel	129 26TH ST MIAMI BEACH FL 33140-4745	water	2	2168.00 28D
hotel	129 26TH ST MIAMI BEACH FL 33140-4745	water	1.5	0.00 28D
res	2801 FLAMINGO DR MIAMI BEACH FL 33140-3914	water	1	159.00 28D
condo	2615 COLLINS AVE MIAMI BEACH FL 33140-4783	water	1.5	552.00 28D
comm	4130 COLLINS AVE MIAMI BEACH FL 33140-3211	water	2	1906.00 28D
res	2520 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1.5	364.00 28D
condo	4201 INDIAN CREEK DR MIAMI BEACH FL 33140-3274	water	1	307.00 28D
res	2940 FLAMINGO DR MIAMI BEACH FL 33140-3917	water	1.5	51.00 28D
comm	2925 INDIAN CREEK DR MIAMI BEACH FL 33140-4187	water	2	1873.00 28D
comm	3865 INDIAN CREEK DR MIAMI BEACH FL 33140-3796	water	2	5.00 28D
res	2500 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1	0.00 28D
comm	2611 COLLINS AVE MIAMI BEACH FL 33140-4782	water	0.625	16.00 28D



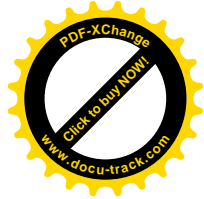
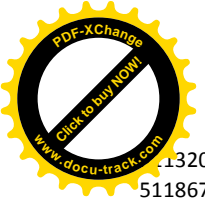
mm	131 26TH ST MIAMI BEACH FL 33140-4745	water	1	130.00	28D
condo	3010 COLLINS AVE MIAMI BEACH FL 33140-4107	water	3	0.00	28D
res	2922 FLAMINGO DR MIAMI BEACH FL 33140-3917	water	1.5	83.00	28D
res	2570 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1	22.00	28D
res	2570 FLAMINGO DR MIAMI BEACH FL 33140-4315	water	1	64.00	28D
res	2687 FLAMINGO DR MIAMI BEACH FL 33140-4316	water	1	0.00	28D
res	4211 INDIAN CREEK DR MIAMI BEACH FL 33140-3215	water	0.625	87.00	28D
hotel	4041 COLLINS AVE APT 1502 MIAMI BEACH FL 33140-3762	water	3	3789.00	28D
hotel	4041 COLLINS AVE APT 1502 MIAMI BEACH FL 33140-3762	water	3	2212.00	28D
hotel	4041 COLLINS AVE APT 1502 MIAMI BEACH FL 33140-3762	water	3	2552.00	28D
res	2535 PINE TREE DR MIAMI BEACH FL 33140-4320	water	1.5	0.00	28D
condo	2301 COLLINS AVE MIAMI BEACH FL 33139-1608	water	4	49.00	28D
condo	2301 COLLINS AVE MIAMI BEACH FL 33139-1608	water	4	0.00	28D
condo	2301 COLLINS AVE MIAMI BEACH FL 33139-1608	water	2	0.00	28D
condo	2301 COLLINS AVE MIAMI BEACH FL 33139-1608	water	2	0.00	28D
hotel	2445 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	2560.00	28D
hotel	2445 COLLINS AVE MIAMI BEACH FL 33140-4702	water	2	2490.00	28D
apart	320 W 25TH ST MIAMI BEACH FL 33140-4619	water	1	699.00	28D
apart	233 W 27TH ST MIAMI BEACH FL 33140-4401	water	1	290.00	28D
res	2515 FLAMINGO DR MIAMI BEACH FL 33140-4314	water	1	139.00	28D
res	2575 FLAMINGO DR MIAMI BEACH FL 33140-4312	water	1	7.00	28D
apart	2425 FLAMINGO PL MIAMI BEACH FL 33140-4623	water	1.5	264.00	28D
city	3525 COLLINS AVE MIAMI BEACH FL 33140	water	3	0.00	28D
apart	240 31ST ST MIAMI BEACH FL 33140-4103	water	1	28.00	28D
apart	235 30TH ST MIAMI BEACH FL 33140-4101	water	1	0.00	28D
condo	3030 COLLINS AVE MIAMI BEACH FL 33140-4107	water	2	731.00	28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	4	0.00	28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	50.00	28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	4996.00	28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	2	5151.00	28D
hotel	3201 COLLINS AVE MIAMI BEACH FL 33140-4023	water	4	0.00	28D
apart	2800 COLLINS AVE MIAMI BEACH FL 33140-4408	water	2	0.00	28D
apart	2800 COLLINS AVE MIAMI BEACH FL 33140-4408	water	2	1036.00	28D
res	2701 INDIAN CREEK DR MIAMI BEACH FL 33140-4429	water	1.5	1183.00	28D
apart	230 28TH ST MIAMI BEACH FL 33140-4404	water	0.625	253.00	28D
comm	2727 INDIAN CREEK DR MIAMI BEACH FL 33140-4493	water	2	5837.00	28D
hotel	4391 COLLINS AVE MIAMI BEACH FL 33140-3212	water	3	10858.00	28D
hotel	4391 COLLINS AVE MIAMI BEACH FL 33140-3212	water	3	10379.00	28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	3	0.00	28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	3	19710.00	28D
comm	4401 COLLINS AVE MIAMI BEACH FL 33140-3227	water	3	0.00	28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	1.00	28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	0.00	28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	0.00	28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	20000.00	28D
hotel	4441 COLLINS AVE MIAMI BEACH FL 33140-3227	water	4	29127.00	28D
res	2525 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1	4.00	28D
res	2525 FLAMINGO PL MIAMI BEACH FL 33140-4318	water	1	80.00	28D
comm	2360 COLLINS AVE MIAMI BEACH FL 33139-1604	water	1	0.00	28D
comm	2360 COLLINS AVE MIAMI BEACH FL 33139-1604	water	4	7665.00	28D
apart	2901 INDIAN CREEK DR MIAMI BEACH FL 33140-4110	water	1	0.00	28D
apart	2911 INDIAN CREEK DR MIAMI BEACH FL 33140-4110	water	1.5	0.00	28D
comm	2607 COLLINS AVE MIAMI BEACH FL 33140-4782	water	1.5	14.00	28D
apart	4100 COLLINS AVE MIAMI BEACH FL 33140-3211	water	2	952.00	28D
comm	2609 COLLINS AVE MIAMI BEACH FL 33140-4782	water	1.5	41.00	28D
hotel	4385 COLLINS AVE MIAMI BEACH FL 33140-3212	water	4	25424.00	28D
res	2633 PINE TREE DR MIAMI BEACH FL 33140-4321	water	1	0.00	28D
comm	228 W 40TH ST MIAMI BEACH FL 33140	water	1	518.00	28D
comm	228 W 40TH ST MIAMI BEACH FL 33140	water	1	9.00	28D
apart	3720 COLLINS AVE MIAMI BEACH FL 33140-4012	water	2	3883.00	28D
condo	3801 COLLINS AVE MIAMI BEACH FL 33140-3705	water	2	0.00	28D
condo	3801 COLLINS AVE MIAMI BEACH FL 33140-3705	water	3	1437.00	28D
condo	3801 COLLINS AVE MIAMI BEACH FL 33140-3705	water	3	0.00	28D
apart	2351 PINE TREE DR MIAMI BEACH FL 33140-4652	water	2	1644.00	28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	2	0.00	28D
city	2300 PINE TREE DR MIAMI BEACH FL 33140-4698	water	2	246.00	28D
res	4300 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	0.00	28D
res	4300 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	19.00	28D
res	4300 COLLINS AVE MIAMI BEACH FL 33140	water	0.625	22.00	28D
res	4300 COLLINS AVE MIAMI BEACH FL 33140	water	1	336.00	28D
res	4351 INDIAN CREEK DR MIAMI BEACH FL 33140	water	2	16.00	28D
res	221 28TH ST MIAMI BEACH FL 33140-4403	water	2	1054.00	28D
TOTALS				621817.00	1,440 gpm



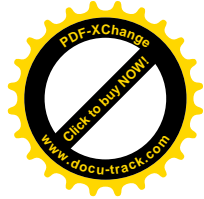
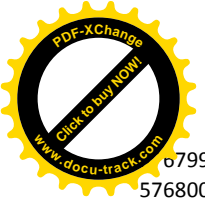
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511867-01	res	6320 ALLISON RD MIAMI BEACH FL 33141-4506	deduct	1		941.00 29
515712-02	res	6633 ALLISON RD MIAMI BEACH FL 33141-4510	deduct	1.5		742.00 29
082172-01	res	6411 ALLISON RD MIAMI BEACH FL 33141-4507	water	2		53.00 29
503233-00	condo	6423 COLLINS AVE MIAMI BEACH FL 33141-4624	water	3		8043.00 29
503233-00	condo	6423 COLLINS AVE MIAMI BEACH FL 33141-4624	water	3		0.00 29
518383-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		107.00 29
519863-01	hotel	6261 COLLINS AVE MIAMI BEACH FL 33140-2224	water	4		4216.00 29
576924-00	res	6105 W LAGUNA DR MIAMI BEACH FL 33141-5865	water	1		14.00 29
576927-00	res	6107 W LAGUNA DR WEST MIAMI BEACH FL 33141-5865	water	1		330.00 29
576928-00	res	6101 W LAGUNA DR MIAMI BEACH FL 33141-5865	water	1		1.00 29
080416-00	condo	6039 COLLINS AVE MIAMI BEACH FL 33140-2214	water	1.5		388.00 29
082305-01	res	6585 ALLISON RD MIAMI BEACH FL 33141-4508	water	1		167.00 29
082354-01	res	6596 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5		217.00 29
082420-00	res	6500 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5		169.00 29
082438-00	res	6494 ALLISON RD MIAMI BEACH FL 33141-4540	water	1.5		19.00 29
082446-02	res	6480 ALLISON RD MIAMI BEACH FL 33141-4540	water	1		754.00 29
118794-00	city	6450 1/2 COLLINS AVE MIAMI BEACH FL 33141-4625	water	1.5		678.00 29
341313-00	condo	6061 COLLINS AVE MIAMI BEACH FL 33140-2214	water	3		0.00 29
366716-00	res	6550 ALLISON RD MIAMI BEACH FL 33141-4509	water	2		417.00 29
500767-00	res	6525 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5		157.00 29
501795-00	res	6365 ALLISON RD MIAMI BEACH FL 33141-4505	water	1		194.00 29
503233-00	condo	6423 COLLINS AVE MIAMI BEACH FL 33141-4624	water	2		2188.00 29
504462-01	res	6475 ALLISON RD MIAMI BEACH FL 33141-4507	water	1		228.00 29
505039-00	res	6360 ALLISON RD MIAMI BEACH FL 33141-4506	water	1		4.00 29
505041-00	res	6605 ALLISON RD MIAMI BEACH FL 33141-4510	water	1		212.00 29
505043-00	res	6431 ALLISON RD MIAMI BEACH FL 33141-4507	water	1.5		32.00 29
507032-01	res	6341 ALLISON RD MIAMI BEACH FL 33141-4505	water	1.5		280.00 29
508006-00	res	6325 ALLISON RD MIAMI BEACH FL 33141-4505	water	1.5		602.00 29
510222-00	res	6520 ALLISON RD MIAMI BEACH FL 33141-4509	water	1		361.00 29
510404-00	res	6450 ALLISON RD MIAMI BEACH FL 33141-4540	water	1.5		757.00 29
511073-00	res	6555 ALLISON RD MIAMI BEACH FL 33141-4508	water	1		635.00 29
511207-00	res	6470 ALLISON RD MIAMI BEACH FL 33141-4540	water	1.5		0.00 29
511320-00	condo	6301 COLLINS AVE MIAMI BEACH FL 33141-4621	water	2		2019.00 29
512095-00	condo	6422 COLLINS AVE MIAMI BEACH FL 33141-4607	water	1.5		650.00 29
512232-00	res	6575 ALLISON RD MIAMI BEACH FL 33141-4508	water	0.625		971.00 29
512451-01	res	6400 ALLISON RD MIAMI BEACH FL 33141-4540	water	1		433.00 29
513467-00	res	6651 ALLISON RD MIAMI BEACH FL 33141-4510	water	1		114.00 29
514077-00	res	6391 ALLISON RD MIAMI BEACH FL 33141-4505	water	1.5		527.00 29
514398-00	res	6505 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5		154.00 29
514583-00	res	6444 ALLISON RD MIAMI BEACH FL 33141-4540	water	1.5		92.00 29
516129-00	res	6640 ALLISON RD MIAMI BEACH FL 33141-4511	water	1.5		40.00 29
516401-00	res	6350 ALLISON RD MIAMI BEACH FL 33141-4506	water	2		182.00 29
516526-01	res	6570 ALLISON RD MIAMI BEACH FL 33141-4509	water	1		0.00 29
516764-00	res	6420 ALLISON RD MIAMI BEACH FL 33141-4540	water	1		291.00 29
516826-01	res	6330 ALLISON RD MIAMI BEACH FL 33141-4506	water	1		254.00 29
517650-02	res	6565 ALLISON RD MIAMI BEACH FL 33141-4508	water	1		130.00 29
517689-00	res	6535 ALLISON RD MIAMI BEACH FL 33141-4508	water	1		138.00 29
517770-00	condo	6000 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	2		0.00 29
517904-00	res	6580 ALLISON RD MIAMI BEACH FL 33141-4509	water	0.625		118.00 29
517934-00	comm	6363 INDIAN CREEK DR MIAMI BEACH FL 33141-5802	water	1.5		250.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		0.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		0.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		0.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		3330.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		3522.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		3913.00 29
518383-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2		320.00 29
518383-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	1.5		0.00 29
518561-00	res	6380 ALLISON RD MIAMI BEACH FL 33141-4506	water	1		248.00 29
519291-00	res	6370 ALLISON RD MIAMI BEACH FL 33141-4506	water	1		5.00 29



519352-01	res	6455 ALLISON RD MIAMI BEACH FL 33141-4507	water	1	144.00 29
519863-01	hotel	6261 COLLINS AVE MIAMI BEACH FL 33140-2224	water	2	521.00 29
519893-01	comm	6621 ALLISON RD MIAMI BEACH FL 33141-4510	water	1.5	691.00 29
520030-02	res	6300 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	242.00 29
520226-01	condo	6305 INDIAN CREEK DR MIAMI BEACH FL 33141-5802	water	2	1707.00 29
520479-00	res	6307 ALLISON RD MIAMI BEACH FL 33141-4505	water	0.625	190.00 29
520501-01	res	6381 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	315.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	2	33.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	2	1954.00 29
521153-01	res	6530 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	963.00 29
576774-01	city	6330 1/2 ALLISON RD MIAMI BEACH FL 33141-4506	water	2	1862.00 29
576776-01	city	6400 W 63RD ST MIAMI BEACH FL 33139	water	0.625	3.00 29
576777-01	city	6300 INDIAN CREEK DR MIAMI BEACH FL 33141	water	4	0.00 29
576777-01	city	6421 INDIAN CREEK DR MIAMI BEACH FL 33141-5804	water	2	3388.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	1.5	0.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	1.5	402.00 29
576844-00	res	201 AQUA AVE MIAMI BEACH FL 33141-5871	water	1.5	63.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	1.5	319.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	1.5	253.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	0.625	579.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	1.5	3884.00 29
576856-01	res	213 AQUA TER MIAMI BEACH FL 33141-5859	water	1	3.00 29
080416-00	condo	6039 COLLINS AVE MIAMI BEACH FL 33140-2214	water	4	6462.00 29
080416-00	condo	6039 COLLINS AVE MIAMI BEACH FL 33140-2214	water	4	22190.00 29
081505-00	hotel	6300 COLLINS AVE MIAMI BEACH FL 33141-4622	water	2	810.00 29
081505-00	hotel	6300 COLLINS AVE MIAMI BEACH FL 33141-4622	water	2	864.00 29
081513-00	comm	6348 COLLINS AVE MIAMI BEACH FL 33141-4622	water	0.625	238.00 29
082107-02	comm	210 W 63RD ST MIAMI BEACH FL 33141-5801	water	2	46.00 29
082172-01	res	6411 ALLISON RD MIAMI BEACH FL 33141-4507	water	1	283.00 29
082180-00	res	6415 ALLISON RD MIAMI BEACH FL 33141-4507	water	1.5	43.00 29
082305-01	res	6585 ALLISON RD MIAMI BEACH FL 33141-4508	water	2	0.00 29
082420-00	res	6500 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	29.00 29
082438-00	res	6494 ALLISON RD MIAMI BEACH FL 33141-4540	water	1.5	142.00 29
118786-00	city	6310 INDIAN CREEK DR MIAMI BEACH FL 33139	water	2	3144.00 29
289991-00	condo	6424 COLLINS AVE MIAMI BEACH FL 33141-4607	water	1	269.00 29
301317-00	condo	6445 INDIAN CREEK DR MIAMI BEACH FL 33141-5804	water	2	1283.00 29
315226-02	comm	6084 COLLINS AVE MIAMI BEACH FL 33140-2215	water	2	100.00 29
319251-00	condo	6444 COLLINS AVE MIAMI BEACH FL 33141-4625	water	2	365.00 29
339705-00	condo	6061 COLLINS AVE MIAMI BEACH FL 33140-2214	water	3	1805.00 29
339705-00	condo	6061 COLLINS AVE MIAMI BEACH FL 33140-2214	water	3	1989.00 29
366716-00	res	6550 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	53.00 29
500767-00	res	6525 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5	39.00 29
501795-00	res	6365 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	79.00 29
504462-01	res	6475 ALLISON RD MIAMI BEACH FL 33141-4507	water	1.5	113.00 29
505039-00	res	6360 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	46.00 29
505041-00	res	6605 ALLISON RD MIAMI BEACH FL 33141-4510	water	1.5	40.00 29
505043-00	res	6431 ALLISON RD MIAMI BEACH FL 33141-4507	water	1	2.00 29
507032-01	res	6341 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	59.00 29
507101-01	apart	6055 INDIAN CREEK DR MIAMI BEACH FL 33140-2218	water	1.5	50.00 29
507169-01	apart	6061 INDIAN CREEK DR MIAMI BEACH FL 33140-2218	water	1.5	50.00 29
507378-00	comm	6313 ALLISON RD MIAMI BEACH FL 33141-4505	water	0.625	6.00 29
508006-00	res	6325 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	14.00 29
510222-00	res	6520 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	30.00 29
510404-00	res	6450 ALLISON RD MIAMI BEACH FL 33141-4540	water	1	70.00 29
510759-00	res	6355 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	416.00 29
511073-00	res	6555 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5	144.00 29
511207-00	res	6470 ALLISON RD MIAMI BEACH FL 33141-4540	water	2	83.00 29
511261-00	condo	6345 COLLINS AVE MIAMI BEACH FL 33141-4621	water	4	17298.00 29
511320-00	condo	6301 COLLINS AVE MIAMI BEACH FL 33141-4621	water	3	4856.00 29
511320-00	condo	6301 COLLINS AVE MIAMI BEACH FL 33141-4621	water	3	6515.00 29

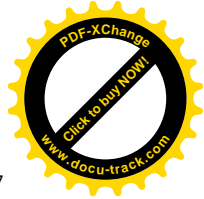


511320-00	condo	6301 COLLINS AVE MIAMI BEACH FL 33141-4621	water	1.5	0.00 29
511867-01	res	6320 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	966.00 29
512095-00	condo	6422 COLLINS AVE MIAMI BEACH FL 33141-4607	water	2	952.00 29
512095-00	condo	6422 COLLINS AVE MIAMI BEACH FL 33141-4607	water	2	1137.00 29
512146-01	res	6060 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	2	0.00 29
512146-01	res	6060 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	2	22.00 29
512146-01	res	6060 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	1.5	177.00 29
512232-00	res	6575 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5	92.00 29
512451-01	res	6400 ALLISON RD MIAMI BEACH FL 33141-4540	water	1	197.00 29
513467-00	res	6651 ALLISON RD MIAMI BEACH FL 33141-4510	water	1	77.00 29
513913-00	comm	250 W 63RD ST MIAMI BEACH FL 33140	water	2	0.00 29
514077-00	res	6391 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	79.00 29
514398-00	res	6505 ALLISON RD MIAMI BEACH FL 33141-4508	water	1	52.00 29
514583-00	res	6444 ALLISON RD MIAMI BEACH FL 33141-4540	water	1	58.00 29
515378-00	res	6620 ALLISON RD MIAMI BEACH FL 33141-4511	water	1.5	158.00 29
515712-02	res	6633 ALLISON RD MIAMI BEACH FL 33141-4510	water	1.5	918.00 29
516129-00	res	6640 ALLISON RD MIAMI BEACH FL 33141-4511	water	2	141.00 29
516401-00	res	6350 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	87.00 29
516526-01	res	6570 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	1.00 29
516764-00	res	6420 ALLISON RD MIAMI BEACH FL 33141-4540	water	2	64.00 29
516826-01	res	6330 ALLISON RD MIAMI BEACH FL 33141-4506	water	0.625	89.00 29
517650-02	res	6565 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5	121.00 29
517689-00	res	6535 ALLISON RD MIAMI BEACH FL 33141-4508	water	1.5	95.00 29
517770-00	condo	6000 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	2	515.00 29
517770-00	condo	6000 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	2	2022.00 29
517770-00	condo	6000 INDIAN CREEK DR MIAMI BEACH FL 33140-2219	water	1.5	0.00 29
517899-01	condo	5950 COLLINS AVE MIAMI BEACH FL 33140-2260	water	2	0.00 29
517899-01	condo	5950 COLLINS AVE MIAMI BEACH FL 33140-2260	water	3	1810.00 29
517899-01	condo	5950 COLLINS AVE MIAMI BEACH FL 33140-2260	water	3	1767.00 29
517899-01	condo	5950 COLLINS AVE MIAMI BEACH FL 33140-2260	water	2	1225.00 29
517904-00	res	6580 ALLISON RD MIAMI BEACH FL 33141-4509	water	1.5	189.00 29
517930-00	condo	5970 INDIAN CREEK DR MIAMI BEACH FL 33140-2288	water	2	962.00 29
517930-00	condo	5970 INDIAN CREEK DR MIAMI BEACH FL 33140-2288	water	1	265.00 29
517930-00	condo	5970 INDIAN CREEK DR MIAMI BEACH FL 33140-2288	water	2	792.00 29
517934-00	comm	6363 INDIAN CREEK DR MIAMI BEACH FL 33141-5802	water	2	0.00 29
517934-00	comm	6363 INDIAN CREEK DR MIAMI BEACH FL 33141-5802	water	2	2622.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2	3527.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2	0.00 29
518380-00	comm	5937 COLLINS AVE MIAMI BEACH FL 33140-2259	water	2	3053.00 29
518561-00	res	6380 ALLISON RD MIAMI BEACH FL 33141-4506	water	1.5	100.00 29
518742-04	res	6493 ALLISON RD MIAMI BEACH FL 33141-4507	water	1	188.00 29
519291-00	res	6370 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	79.00 29
519352-01	res	6455 ALLISON RD MIAMI BEACH FL 33141-4507	water	1	70.00 29
519893-01	comm	6621 ALLISON RD MIAMI BEACH FL 33141-4510	water	1.5	73.00 29
519954-00	res	6491 ALLISON RD MIAMI BEACH FL 33141-4507	water	1.5	64.00 29
520030-02	res	6300 ALLISON RD MIAMI BEACH FL 33141-4506	water	1	30.00 29
520356-04	res	6650 ALLISON RD MIAMI BEACH FL 33141-4511	water	1.5	22.00 29
520479-00	res	6307 ALLISON RD MIAMI BEACH FL 33141-4505	water	0.625	124.00 29
520501-01	res	6381 ALLISON RD MIAMI BEACH FL 33141-4505	water	1	75.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	2	0.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	2	0.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	3	14395.00 29
520569-00	condo	6365 COLLINS AVE MIAMI BEACH FL 33141-4621	water	3	0.00 29
521153-01	res	6530 ALLISON RD MIAMI BEACH FL 33141-4509	water	1	47.00 29
576778-01	city	6475 COLLINS AVE MIAMI BEACH FL 33141-4624	water	1	46.00 29
576794-00	res	6205 N LAGUNA PATH N MIAMI BEACH FL 33141-5861	water	1	0.00 29
576795-00	res	6203 N LAGUNA PATH N MIAMI BEACH FL 33141-5861	water	1	12.00 29
576796-02	res	6201 N LAGUNA PATH N MIAMI BEACH FL 33141-5861	water	1	30.00 29
576797-02	res	215 ARI WAY MIAMI BEACH FL 33141-5869	water	1	26.00 29
576798-01	res	213 ARI WAY MIAMI BEACH FL 33141-5869	water	1	105.00 29

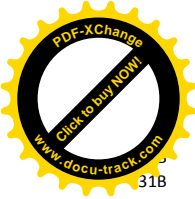


6799-04	res	211 ARI WAY MIAMI BEACH FL 33141-5869	water	1	18.00 29
576800-00	res	230 ARI WAY MIAMI BEACH FL 33141-5860	water	1	71.00 29
576801-02	res	220 ARI WAY MIAMI BEACH FL 33141-5860	water	1	50.00 29
576802-01	res	210 ARI WAY MIAMI BEACH FL 33141-5860	water	1	53.00 29
576803-01	res	240 ARI WAY MIAMI BEACH FL 33141-5860	water	1	66.00 29
576804-01	res	6113 W LAGUNA DR WEST MIAMI BEACH FL 33141-5865	water	1	27.00 29
576805-01	res	6111 W LAGUNA DR WEST MIAMI BEACH FL 33141-5865	water	1	263.00 29
576806-01	res	6109 W LAGUNA DR WEST MIAMI BEACH FL 33141-5865	water	1	122.00 29
576807-01	res	215 WATER WAY MIAMI BEACH FL 33141-5867	water	1	7.00 29
576808-01	res	213 WATER WAY MIAMI BEACH FL 33141-5867	water	1	66.00 29
576809-03	res	211 WATER WAY MIAMI BEACH FL 33141-5867	water	1	12.00 29
576810-00	res	6120 AQUA AVE MIAMI BEACH FL 33141-5856	water	1	3.00 29
576811-01	res	240 WATER WAY MIAMI BEACH FL 33141-5856	water	1	9.00 29
576812-02	res	230 WATER WAY MIAMI BEACH FL 33141-5866	water	1	47.00 29
576813-00	res	220 WATER WAY MIAMI BEACH FL 33141-5866	water	1	139.00 29
576814-02	res	210 WATER WAY MIAMI BEACH FL 33141-5866	water	1	68.00 29
576815-01	res	6110 AQUA AVE MIAMI BEACH FL 33141-5856	water	1	52.00 29
576816-02	res	250 WATER WAY MIAMI BEACH FL 33141-5866	water	1	53.00 29
576823-02	res	215 ZOE WAY MIAMI BEACH FL 33141-5870	water	1	40.00 29
576824-02	res	213 ZOE WAY MIAMI BEACH FL 33141-5870	water	1	34.00 29
576825-00	res	211 ZOE WAY MIAMI BEACH FL 33141-5870	water	1	129.00 29
576826-01	res	6100 AQUA AVE MIAMI BEACH FL 33141-5856	water	1	214.00 29
576841-00	condo	201 AQUA AVE MIAMI BEACH FL 33141-5871	water	2	1066.00 29
576841-00	condo	201 AQUA AVE MIAMI BEACH FL 33141-5871	water	2	48.00 29
576842-00	condo	6103 AQUA AVE MIAMI BEACH FL 33141-5857	water	2	1386.00 29
576842-00	condo	6103 AQUA AVE MIAMI BEACH FL 33141-5857	water	2	1565.00 29
576843-00	condo	6101 AQUA AVE MIAMI BEACH FL 33141-5857	water	2	1256.00 29
576843-00	condo	6101 AQUA AVE MIAMI BEACH FL 33141-5857	water	2	1.00 29
576844-00	res	201 AQUA AVE MIAMI BEACH FL 33141-5871	water	1.5	326.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	0.625	5.00 29
576844-00	res	201 AQUA AVE STE 100 MIAMI BEACH FL 33141-5879	water	2	68.00 29
576848-00	res	220 ZOE WAY MIAMI BEACH FL 33141-5868	water	1	117.00 29
576849-00	res	240 ZOE WAY MIAMI BEACH FL 33141-5868	water	1	14.00 29
576850-00	res	230 ZOE WAY MIAMI BEACH FL 33141-5868	water	1	69.00 29
576851-01	res	6003 S LAGUNA PATH S MIAMI BEACH FL 33141	water	1	0.00 29
576852-00	res	6001 S LAGUNA PATH S MIAMI BEACH FL 33141-5864	water	1	241.00 29
576853-00	res	219 AQUA TER MIAMI BEACH FL 33141-5859	water	1	60.00 29
576854-02	res	217 AQUA TER MIAMI BEACH FL 33141-5859	water	1	82.00 29
576855-00	res	215 AQUA TER MIAMI BEACH FL 33141-5859	water	1	87.00 29
576857-02	res	211 AQUA TER MIAMI BEACH FL 33141-5859	water	1	4.00 29
576858-00	res	6000 AQUA PATH MIAMI BEACH FL 33141-5858	water	1	354.00 29
576859-01	res	6010 AQUA PATH MIAMI BEACH FL 33141-5858	water	1	62.00 29
576860-02	res	6020 AQUA PATH MIAMI BEACH FL 33141-5858	water	1	42.00 29
576861-01	res	210 ZOE WAY MIAMI BEACH FL 33141-5868	water	1	135.00 29
576862-02	res	217 ZOE WAY MIAMI BEACH FL 33141-5870	water	1	13.00 29
576865-00	res	6103 W LAGUNA DR WEST MIAMI BEACH FL 33141-5865	water	1	120.00 29

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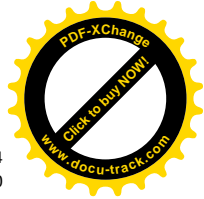
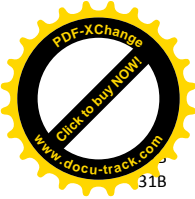
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31B	010710-01	res	321 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	0.625	NA	230	77	
31B	013276-00	city	600 1/2 JEFFERSON AVE MIAMI BEACH FL 33139-1824	water	1.5	226	244	231	
31B	013276-00	city	600 1/2 JEFFERSON AVE MIAMI BEACH FL 33139-1824	water	1.5	23	51	35	
31B	019752-00	condo	401 OCEAN DR MIAMI BEACH FL 33139-6644	water	2	NA	2,708	2,424	
31B	118786-00	city	306 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	1	0	0	0	
31B	118794-00	city	500 1/2 MERIDIAN AVE MIAMI BEACH FL 33139-6428	water	2	0	0	0	
31B	118794-00	city	905 4TH ST MIAMI BEACH FL 33139-6825	water	2	1300	2,549	1,847	
31B	312801-00	city	358 1/2 EUCLID AVE MIAMI BEACH FL 33139-8754	water	2	25	112	137	
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	2	NA	11,597	8,282	
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	4	NA	0	0	
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	4	0	0	0	
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	6	NA	2,056	1,005	
31B	508232-00	condo	221 JEFFERSON AVE MIAMI BEACH FL 33139-7006	water	1.5	NA	3	6	
31B	508826-00	comm	234 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	1	NA	17	1	
31B	509655-00	condo	101 ALTON RD MIAMI BEACH FL 33139-6700	water	2	NA	3,147	2,230	
31B	510362-00	comm	427 COLLINS AVE MIAMI BEACH FL 33139-6609	water	0.625	NA	0	0	
31B	510784-01	comm	619 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1	346	0	0	
31B	510784-02	comm	619 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1	NA	391	789	
31B	511335-00	comm	524 JEFFERSON AVE MIAMI BEACH FL 33139-6303	water	1.5	155	167	147	
31B	512540-01	apart	643 JEFFERSON AVE MIAMI BEACH FL 33139-8519	water	1	18	3	7	
31B	513148-01	condo	458 OCEAN DR MIAMI BEACH FL 33139-6614	water	1.5	NA	0	0	
31B	513392-00	comm	426 JEFFERSON AVE MIAMI BEACH FL 33139-6503	water	2	NA	203	355	
31B	513395-00	condo	300 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	0	0	
31B	515011-00	apart	226 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	1	NA	233	209	
31B	515359-00	comm	404 WASHINGTON AVE STE 620 MIAMI BEACH FL 33139-6600	water	1	NA	47	44	
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	7,458	8,594	
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	3,690	3,641	
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	1,769	0	
31B	516168-00	condo	328 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	248	189	
31B	516320-00	condo	361 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	0.625	NA	51	34	
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	262	198	
31B	517480-01	condo	234 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1	NA	0	0	
31B	518338-00	condo	911 3RD ST MIAMI BEACH FL 33139-6821	water	1	NA	86	60	
31B	519262-02	comm	400 EUCLID AVE MIAMI BEACH FL 33139-6522	water	1	NA	0	0	
31B	519643-00	condo	828 3RD ST MIAMI BEACH FL 33139-6820	water	1.5	NA	0	173	
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	2,407	2,034	
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	2,466	2,083	
31B	520071-00	condo	400 ALTON RD STE 105 MIAMI BEACH FL 33139-6720	water	3	NA	8,292	6,756	
31B	520111-00	res	110 WASHINGTON AVE MIAMI BEACH FL 33139-7215	water	2	NA	200	163	
31B	520148-00	city	820 4TH ST MIAMI BEACH FL 33139-6824	water	2	521	347	407	
31B	520148-00	city	821 2ND ST MIAMI BEACH FL 33139-7040	water	2	608	609	609	
31B	520148-00	city	655 1/2 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	2	115	137	125	
31B	520148-00	city	160 1/2 ALTON RD MIAMI BEACH FL 33139-6709	water	1.5	243	301	335	
31B	520148-00	city	301 OCEAN DR MIAMI BEACH FL 33139-6997	water	2	530	820	5,713	
31B	520253-00	condo	245 MICHIGAN AVE MIAMI BEACH FL 33139-7035	water	1	NA	258	205	
31B	520382-00	condo	900 4TH ST MIAMI BEACH FL 33139-6826	water	0.625	NA	264	218	
31B	520447-01	comm	426 EUCLID AVE MIAMI BEACH FL 33139-6522	water	0.625	NA	0	0	
31B	520447-02	comm	426 EUCLID AVE MIAMI BEACH FL 33139-6522	water	0.625	NA	0	0	
31B	520667-00	hotel	425 OCEAN DR MIAMI BEACH FL 33139-6613	water	2	NA	21	28	
31B	520668-00	hotel	455 OCEAN DR MIAMI BEACH FL 33139-6613	water	1	NA	1,471	1,176	
31B	520670-00	comm	422 COLLINS AVE MIAMI BEACH FL 33139-6610	water	0.625	NA	407	344	
31B	520988-03	condo	350 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	127	98	
31B	521215-01	condo	321 OCEAN DR MIAMI BEACH FL 33139-6904	water	2	NA	397	464	
31B	521308-00	condo	340 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	1	NA	58	85	
31B	576774-01	city	500 1/2 JEFFERSON AVE MIAMI BEACH FL 33139-6303	water	1	0	1,785	0	
31B	576774-01	city	491 1/2 EUCLID CT MIAMI BEACH FL 33139	water	1.5	0	0	0	
31B	576774-01	city	300 1/2 ALTON RD MIAMI BEACH FL 33139-8900	water	1.5	327	244	0	
31B	576775-01	city	411 1/2 OCEAN DR MIAMI BEACH FL 33139-6613	water	1	543	1,426	0	
31B	576775-01	city	300 1/2 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	2	1144	1,068	406	
31B	576776-01	city	500 1/2 JEFFERSON AVE MIAMI BEACH FL 33139-6303	water	1.5	0	0	0	
31B	576776-01	city	490 1/2 OCEAN CT MIAMI BEACH FL 33139	water	1.5	0	0	0	
31B	576777-01	city	301 1/2 MAC ARTHUR CSWY WB MIAMI BEACH FL 33139	water	2	18	0	0	
31B	576777-01	city	300 1/2 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	2	834	1,193	98	
31B	576777-01	city	201 1/2 MAC ARTHUR CSWY WB MIAMI BEACH FL 33139	water	2	0	238	329	
31B	576777-01	city	390 1/2 ALTON RD MIAMI BEACH FL 33139-8900	water	2	150	107	229	
31B	576778-01	city	301 1/2 MAC ARTHUR CSWY WB MIAMI BEACH FL 33139	water	2	131	102	25,441	
31B	576778-01	city	201 1/2 MAC ARTHUR CSWY WB MIAMI BEACH FL 33139	water	2	791	1,011	660	
31B	576846-02	res	401 JEFFERSON AVE MIAMI BEACH FL 33139-6502	water	1	NA	0	0	
31B	576955-00	res	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	0	25	
31B	019703-00	condo	465 OCEAN DR MIAMI BEACH FL 33139-6645	water	3	NA	3,553	3,475	
31B	019752-00	condo	401 OCEAN DR MIAMI BEACH FL 33139-6644	water	3	NA	2,627	2,264	
31B	508826-00	comm	234 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	2	NA	2,270	327	
31B	512734-00	condo	335 OCEAN DR MIAMI BEACH FL 33139-6976	water	2	NA	2,363	2,341	



31B	513300-01	apart	626 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	1	608	752	675
31B	520099-01	apart	810 7TH ST MIAMI BEACH FL 33139-8501	water	1.5	0	0	0
31B	521215-01	condo	321 OCEAN DR MIAMI BEACH FL 33139-6904	water	4	NA	1,491	773
31B	521215-01	condo	321 OCEAN DR MIAMI BEACH FL 33139-6904	water	3	NA	869	447
31B	000794-00	condo	326 OCEAN DR MIAMI BEACH FL 33139-6905	water	1.5	NA	68	76
31B	001016-00	apart	412 OCEAN DR MIAMI BEACH FL 33139-6614	water	1.5	NA	560	372
31B	001024-02	comm	400 OCEAN DR MIAMI BEACH FL 33139-6614	water	1	NA	0	0
31B	001024-02	comm	400 OCEAN DR MIAMI BEACH FL 33139-6614	water	2	950	1,002	980
31B	001057-00	condo	421 COLLINS AVE MIAMI BEACH FL 33139-6609	water	1	NA	374	333
31B	001073-00	condo	441 COLLINS AVE MIAMI BEACH FL 33139-6609	water	1	NA	1,091	1,001
31B	001123-00	condo	428 COLLINS AVE MIAMI BEACH FL 33139-6610	water	1	NA	490	476
31B	001396-00	condo	323 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	0.625	223	230	225
31B	001438-00	condo	363 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	2	NA	1,212	1,131
31B	009605-00	condo	334 WASHINGTON AVE MIAMI BEACH FL 33139-6934	water	0.625	NA	232	173
31B	010496-01	apart	727 2ND ST MIAMI BEACH FL 33139-7042	water	0.625	NA	51	44
31B	010512-00	condo	221 MERIDIAN AVE MIAMI BEACH FL 33139-7012	water	3	NA	1,692	1,331
31B	010561-00	condo	358 EUCLID AVE MIAMI BEACH FL 33139-8706	water	0.625	NA	324	363
31B	010801-00	condo	418 EUCLID AVE MIAMI BEACH FL 33139-6522	water	1.5	NA	643	467
31B	010819-00	condo	410 EUCLID AVE MIAMI BEACH FL 33139-6522	water	1	NA	420	347
31B	010868-00	apart	411 MERIDIAN AVE MIAMI BEACH FL 33139-6519	water	1	NA	339	263
31B	011098-00	condo	525 MERIDIAN AVE MIAMI BEACH FL 33139-6427	water	1.5	1245	1,066	1,054
31B	011106-00	condo	533 MERIDIAN AVE MIAMI BEACH FL 33139-6427	water	1.5	304	353	286
31B	011114-00	condo	543 MERIDIAN AVE MIAMI BEACH FL 33139-6427	water	1	205	275	260
31B	011122-00	condo	549 MERIDIAN AVE MIAMI BEACH FL 33139-6427	water	1	544	804	536
31B	011346-00	comm	655 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1	559	635	616
31B	013243-00	condo	644 MERIDIAN AVE MIAMI BEACH FL 33139-6430	water	1.5	346	393	380
31B	013250-00	condo	636 MERIDIAN AVE MIAMI BEACH FL 33139-6430	water	1	816	1,346	1,213
31B	013268-00	condo	626 MERIDIAN AVE MIAMI BEACH FL 33139-6430	water	1.5	217	259	229
31B	013276-00	city	833 6TH ST MIAMI BEACH FL 33139-6319	water	2	276	732	628
31B	013300-00	condo	631 JEFFERSON AVE MIAMI BEACH FL 33139-8525	water	1.5	545	687	1,391
31B	013409-00	condo	528 MERIDIAN AVE MIAMI BEACH FL 33139-6428	water	2	2153	2,528	2,503
31B	013599-00	condo	360 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	2	NA	903	772
31B	013656-00	apart	310 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	312	450
31B	013680-00	condo	301 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	2	NA	1,006	583
31B	013748-00	comm	345 JEFFERSON AVE MIAMI BEACH FL 33139-6873	water	1	NA	315	235
31B	013789-00	condo	820 3RD ST MIAMI BEACH FL 33139-6820	water	1	NA	974	935
31B	013797-00	condo	250 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1	NA	177	200
31B	013839-00	condo	224 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1	NA	390	374
31B	013847-00	condo	220 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1	NA	997	765
31B	013987-00	condo	208 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1	NA	211	149
31B	014092-00	condo	201 JEFFERSON AVE MIAMI BEACH FL 33139-7006	water	2	NA	1,085	966
31B	014423-00	condo	252 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	1	NA	324	345
31B	014498-01	res	935 2ND ST MIAMI BEACH FL 33139-7038	water	0.625	NA	0	0
31B	014514-00	res	211 MICHIGAN AVE MIAMI BEACH FL 33139-7015	water	0.625	NA	90	242
31B	014837-00	condo	900 6TH ST MIAMI BEACH FL 33139-6322	water	1.5	790	953	852
31B	018366-00	comm	200 ALTON RD MIAMI BEACH FL 33139-6742	water	3	0	0	0
31B	018366-00	comm	200 ALTON RD MIAMI BEACH FL 33139-6742	water	3	NA	252	218
31B	018382-00	comm	150 ALTON RD MIAMI BEACH FL 33139-6741	water	3	NA	2,792	2,260
31B	018382-00	comm	150 ALTON RD MIAMI BEACH FL 33139-6741	water	3	NA	2,507	2,067
31B	019646-00	condo	325 OCEAN DR MIAMI BEACH FL 33139-6904	water	2	NA	1,978	2,012
31B	019695-00	condo	301 OCEAN DR MIAMI BEACH FL 33139-6997	water	2	NA	403	391
31B	019703-00	condo	465 OCEAN DR MIAMI BEACH FL 33139-6645	water	3	NA	4,056	3,946
31B	019752-00	condo	401 OCEAN DR MIAMI BEACH FL 33139-6644	water	3	NA	2,559	2,189
31B	118919-01	hotel	334 OCEAN DR MIAMI BEACH FL 33139-6905	water	1.5	NA	186	153
31B	119800-00	comm	428 JEFFERSON AVE MIAMI BEACH FL 33139-6503	water	1	NA	50	42
31B	500404-00	apart	349 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	84	68
31B	500404-00	apart	349 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	243	197
31B	501582-00	apart	333 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	96	60
31B	501582-00	apart	333 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	471	230
31B	501930-00	apart	837 4TH ST MIAMI BEACH FL 33139-6815	water	1	NA	290	343
31B	503045-00	condo	345 OCEAN DR MIAMI BEACH FL 33139-8756	water	3	NA	3,855	4,002
31B	503045-00	condo	345 OCEAN DR MIAMI BEACH FL 33139-8756	water	3	NA	3,061	3,333
31B	503083-00	apart	641 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	0.625	91	104	96
31B	503083-00	apart	641 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	0.625	574	799	546
31B	504098-01	comm	735 2ND ST MIAMI BEACH FL 33139-7042	water	1	NA	211	222
31B	504826-00	hotel	411 WASHINGTON AVE MIAMI BEACH FL 33139-6617	water	2	NA	2,270	1,554
31B	505555-00	apart	625 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1	289	315	290
31B	505816-00	comm	845 5TH ST MIAMI BEACH FL 33139-6511	water	0.625	349	371	253
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	2	NA	4,222	2,795
31B	505913-00	comm	300 ALTON RD STE 112 MIAMI BEACH FL 33139-8914	water	2	NA	1,528	975
31B	505959-00	comm	421 WASHINGTON AVE MIAMI BEACH FL 33139-6601	water	0.625	NA	291	291
31B	506370-00	res	651 JEFFERSON AVE MIAMI BEACH FL 33139-8519	water	0.625	76	72	70
31B	507065-00	apart	327 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	134	102
31B	507134-00	apart	321 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	1,773	1,722



31B	507720-00	hotel	444 OCEAN DR MIAMI BEACH FL 33139-6614	water	1.5	NA	2,074	1,775
31B	507721-00	hotel	436 OCEAN DR MIAMI BEACH FL 33139-6614	water	1.5	NA	587	401
31B	508232-00	condo	221 JEFFERSON AVE MIAMI BEACH FL 33139-7006	water	1	NA	0	0
31B	508396-00	apart	350 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1.5	NA	332	717
31B	508465-00	comm	812 6TH ST MIAMI BEACH FL 33139-6320	water	0.625	285	435	228
31B	508654-00	duplex	235 JEFFERSON AVE MIAMI BEACH FL 33139-7006	water	0.625	NA	96	96
31B	508720-00	apart	316 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	1	NA	229	181
31B	508773-00	apart	610 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	1	174	180	160
31B	508918-00	comm	328 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	1	NA	281	193
31B	508930-00	comm	819 5TH ST MIAMI BEACH FL 33139-6511	water	1	0	0	0
31B	508930-00	comm	819 5TH ST MIAMI BEACH FL 33139-6511	water	1.5	391	456	472
31B	509088-01	condo	739 2ND ST MIAMI BEACH FL 33139-7042	water	1	NA	495	350
31B	509654-00	comm	723 2ND ST MIAMI BEACH FL 33139-7042	water	0.625	NA	185	190
31B	509655-00	condo	101 ALTON RD MIAMI BEACH FL 33139-6700	water	1.5	NA	4,220	3,335
31B	509655-00	condo	101 ALTON RD MIAMI BEACH FL 33139-6700	water	2	NA	2,775	1,971
31B	509655-00	condo	101 ALTON RD MIAMI BEACH FL 33139-6700	water	2	NA	3,128	2,213
31B	509937-00	condo	344 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1.5	NA	478	419
31B	510128-01	res	735 4TH ST MIAMI BEACH FL 33139-8704	water	1	NA	0	0
31B	510128-01	res	735 4TH ST MIAMI BEACH FL 33139-8704	water	1.5	NA	48	37
31B	510241-00	condo	345 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	2	NA	385	282
31B	510242-00	condo	335 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	1	NA	83	56
31B	510243-00	condo	325 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	2	NA	290	224
31B	510338-00	comm	515 JEFFERSON AVE MIAMI BEACH FL 33139-6302	water	1.5	148	44	12
31B	510360-00	condo	300 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1.5	NA	137	119
31B	510589-00	comm	820 6TH ST MIAMI BEACH FL 33139-6320	water	1	6	5	5
31B	510678-01	comm	427 JEFFERSON AVE MIAMI BEACH FL 33139-6502	water	1.5	NA	77	56
31B	510684-00	apart	650 MERIDIAN AVE MIAMI BEACH FL 33139-6430	water	1.5	498	598	477
31B	510784-02	comm	619 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1.5	NA	0	147
31B	510900-00	comm	840 6TH ST MIAMI BEACH FL 33139-6320	water	1	45	0	0
31B	510971-00	condo	208 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	2	NA	842	879
31B	511044-00	res	927 2ND ST MIAMI BEACH FL 33139-7038	water	0.625	NA	27	50
31B	511335-00	comm	524 JEFFERSON AVE MIAMI BEACH FL 33139-6303	water	1.5	146	149	139
31B	511934-01	res	803 2ND ST MIAMI BEACH FL 33139-7040	water	0.625	NA	275	126
31B	511994-00	comm	446 COLLINS AVE MIAMI BEACH FL 33139-6610	water	0.625	NA	34	26
31B	511994-00	comm	446 COLLINS AVE MIAMI BEACH FL 33139-6610	water	1	NA	199	176
31B	512000-00	apart	901 6TH ST MIAMI BEACH FL 33139-6321	water	1.5	304	507	443
31B	512193-00	condo	730 3RD ST MIAMI BEACH FL 33139-6854	water	2	NA	0	0
31B	512195-00	comm	355 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	1.5	NA	471	387
31B	512309-00	condo	359 MERIDIAN AVE MIAMI BEACH FL 33139-8722	water	1.5	NA	341	310
31B	512349-00	comm	431 WASHINGTON AVE MIAMI BEACH FL 33139-6617	water	1.5	NA	174	124
31B	512540-01	apart	643 JEFFERSON AVE MIAMI BEACH FL 33139-8519	water	1	237	380	98
31B	512814-00	apart	542 JEFFERSON AVE MIAMI BEACH FL 33139-6303	water	2	1630	1,811	1,763
31B	513148-01	condo	458 OCEAN DR MIAMI BEACH FL 33139-6614	water	2	NA	1,511	1,406
31B	513296-01	apart	634 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	1	947	1,472	1,321
31B	513297-01	apart	650 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	1	390	463	371
31B	513299-01	apart	642 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	1	484	566	466
31B	513313-01	apart	900 7TH ST MIAMI BEACH FL 33139-6044	water	1	927	1,158	1,062
31B	513366-02	apart	355 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	1	NA	299	442
31B	513385-00	apart	633 MERIDIAN AVE MIAMI BEACH FL 33139-6429	water	1	821	898	878
31B	513392-00	comm	426 JEFFERSON AVE MIAMI BEACH FL 33139-6503	water	2	NA	374	190
31B	513395-00	condo	300 EUCLID AVE MIAMI BEACH FL 33139-8706	water	3	NA	500	952
31B	514032-00	apart	336 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	141	104
31B	514114-00	hotel	350 OCEAN DR MIAMI BEACH FL 33139-6905	water	2	NA	1,627	1,717
31B	515011-00	apart	226 JEFFERSON AVE MIAMI BEACH FL 33139-7007	water	1	NA	283	248
31B	515072-00	apart	410 MERIDIAN AVE MIAMI BEACH FL 33139-6520	water	1	NA	79	73
31B	515359-00	comm	404 WASHINGTON AVE STE 620 MIAMI BEACH FL 33139-6600	water	2	NA	1,244	1,152
31B	515359-00	comm	404 WASHINGTON AVE STE 620 MIAMI BEACH FL 33139-6600	water	2	NA	1,165	1,086
31B	515412-00	apart	242 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	0.625	NA	145	201
31B	515513-02	apart	335 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	0.625	NA	0	1
31B	515602-00	condo	334 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	660	566
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	6,753	6,084
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	6,610	5,953
31B	515703-00	condo	90 ALTON RD MIAMI BEACH FL 33139-6707	water	2	NA	7,278	6,339
31B	515827-00	condo	320 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1.5	NA	338	400
31B	515872-02	comm	347 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	1.5	NA	689	754
31B	516125-00	comm	802 6TH ST MIAMI BEACH FL 33139-6320	water	2	3223	3,936	3,652
31B	516168-00	condo	328 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	494	371
31B	516303-01	res	912 4TH ST MIAMI BEACH FL 33139-6826	water	0.625	NA	48	41
31B	516320-00	condo	361 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	2	NA	160	118
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	82	63
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	48	37
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	29	25
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	3	40
31B	516370-00	condo	344 EUCLID AVE MIAMI BEACH FL 33139-8706	water	1	NA	9	42



31B	516566-00	condo	221 MICHIGAN AVE MIAMI BEACH FL 33139-7015	water	2	NA	1,050	1,014
31B	516566-00	condo	221 MICHIGAN AVE MIAMI BEACH FL 33139-7015	water	2	NA	0	0
31B	516566-00	condo	221 MICHIGAN AVE MIAMI BEACH FL 33139-7015	water	1.5	NA	0	1
31B	516693-01	hotel	530 MERIDIAN AVE MIAMI BEACH FL 33139-6428	water	2	1560	2,313	2,413
31B	516774-00	condo	701 2ND ST MIAMI BEACH FL 33139-7042	water	1.5	NA	282	259
31B	516939-00	res	221 JEFFERSON AVE MIAMI BEACH FL 33139-7006	water	2	NA	571	352
31B	517480-01	condo	234 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1.5	NA	244	196
31B	517480-01	condo	234 MERIDIAN AVE MIAMI BEACH FL 33139-7013	water	1.5	NA	501	418
31B	517889-00	res	937 2ND ST MIAMI BEACH FL 33139-7038	water	0.625	NA	58	65
31B	518200-00	res	919 4TH ST MIAMI BEACH FL 33139-6825	water	0.625	NA	1	0
31B	518200-00	res	919 4TH ST MIAMI BEACH FL 33139-6825	water	0.625	NA	19	53
31B	518217-00	condo	305 JEFFERSON AVE MIAMI BEACH FL 33139-6802	water	1	NA	178	151
31B	518338-00	condo	911 3RD ST MIAMI BEACH FL 33139-6821	water	2	NA	128	121
31B	518370-01	apart	819 2ND ST MIAMI BEACH FL 33139-7040	water	0.625	NA	0	3
31B	518586-01	res	326 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	82	48
31B	519208-00	res	557 MERIDIAN AVE MIAMI BEACH FL 33139-6427	water	0.625	62	79	81
31B	519262-02	comm	400 EUCLID AVE MIAMI BEACH FL 33139-6522	water	1.5	NA	77	42
31B	519290-01	condo	324 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	0.625	NA	157	152
31B	519303-00	comm	836 7TH ST MIAMI BEACH FL 33139-8501	water	1.5	259	310	379
31B	519449-00	res	316 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	1	NA	53	106
31B	519495-00	comm	437 WASHINGTON AVE MIAMI BEACH FL 33139-6617	water	1	NA	779	779
31B	519495-00	comm	437 WASHINGTON AVE MIAMI BEACH FL 33139-6617	water	1	NA	912	719
31B	519643-00	condo	828 3RD ST MIAMI BEACH FL 33139-6820	water	2	NA	546	428
31B	519684-00	condo	318 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	0.625	NA	187	125
31B	519812-03	res	828 4TH ST MIAMI BEACH FL 33139-6824	water	0.625	NA	71	39
31B	519814-00	apart	320 OCEAN DR MIAMI BEACH FL 33139-6905	water	1	NA	149	358
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	2,445	2,070
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	2,687	2,263
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	1,909	1,620
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	2,233	1,905
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	7,267	5,555
31B	519876-00	condo	450 ALTON RD MIAMI BEACH FL 33139-6767	water	2	NA	7,183	5,504
31B	519886-01	apart	421 MERIDIAN AVE MIAMI BEACH FL 33139-6519	water	1	NA	109	90
31B	519889-01	comm	425 MERIDIAN AVE MIAMI BEACH FL 33139-6519	water	2	NA	493	502
31B	519998-00	apart	350 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	1.5	NA	78	127
31B	520047-00	condo	310 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	2	NA	264	195
31B	520047-00	condo	310 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	1	NA	0	0
31B	520071-00	condo	400 ALTON RD STE 105 MIAMI BEACH FL 33139-6720	water	3	NA	9,363	7,890
31B	520071-00	condo	400 ALTON RD STE 105 MIAMI BEACH FL 33139-6720	water	3	NA	8,947	7,721
31B	520111-00	res	110 WASHINGTON AVE MIAMI BEACH FL 33139-7215	water	3	NA	2,801	2,505
31B	520111-00	res	110 WASHINGTON AVE MIAMI BEACH FL 33139-7215	water	3	NA	2,236	1,998
31B	520111-00	res	110 WASHINGTON AVE MIAMI BEACH FL 33139-7215	water	3	NA	2,601	2,321
31B	520111-00	res	110 WASHINGTON AVE MIAMI BEACH FL 33139-7215	water	3	NA	2,783	2,487
31B	520253-00	condo	245 MICHIGAN AVE MIAMI BEACH FL 33139-7035	water	2	NA	928	364
31B	520382-00	condo	900 4TH ST MIAMI BEACH FL 33139-6826	water	2	NA	95	152
31B	520666-00	comm	311 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	1	NA	1,225	1,203
31B	520666-00	comm	311 WASHINGTON AVE MIAMI BEACH FL 33139-6906	water	1	NA	23	17
31B	520667-00	hotel	425 OCEAN DR MIAMI BEACH FL 33139-6613	water	2	NA	640	624
31B	520667-00	hotel	425 OCEAN DR MIAMI BEACH FL 33139-6613	water	2	NA	0	0
31B	520667-00	hotel	425 OCEAN DR MIAMI BEACH FL 33139-6613	water	2	NA	761	739
31B	520668-00	hotel	455 OCEAN DR MIAMI BEACH FL 33139-6613	water	2	NA	1,490	1,340
31B	520680-00	condo	243 MERIDIAN AVE MIAMI BEACH FL 33139-7012	water	2	NA	650	625
31B	520680-00	condo	243 MERIDIAN AVE MIAMI BEACH FL 33139-7012	water	2	NA	700	667
31B	520730-00	res	827 4TH ST MIAMI BEACH FL 33139-6814	water	1	NA	24	19
31B	520896-01	apart	635 JEFFERSON AVE MIAMI BEACH FL 33139-8519	water	1	0	0	0
31B	520974-01	apart	620 JEFFERSON AVE MIAMI BEACH FL 33139-8518	water	0.625	142	180	124
31B	520988-03	condo	350 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	28	22
31B	520988-03	condo	350 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	2	5
31B	520988-03	condo	350 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	21	12
31B	520988-03	condo	350 MERIDIAN AVE MIAMI BEACH FL 33139-8721	water	1	NA	19	16
31B	521064-00	apart	815 4TH ST MIAMI BEACH FL 33139-6823	water	1	NA	107	86
31B	521069-01	hotel	354 WASHINGTON AVE MIAMI BEACH FL 33139-6907	water	1.5	NA	357	360
31B	521308-00	condo	340 JEFFERSON AVE MIAMI BEACH FL 33139-6803	water	2	NA	247	111
31B	521434-02	hotel	426 MERIDIAN AVE MIAMI BEACH FL 33139-6520	water	2	NA	795	620
31B	576846-02	res	401 JEFFERSON AVE MIAMI BEACH FL 33139-6502	water	2	NA	50	83
31B	576890-00	comm	419 WASHINGTON AVE MIAMI BEACH FL 33139-6617	water	1	NA	566	477

Basin 29 Total Consumption:

June 2016	July 2016	August 2016
23,839	207,385	179,788

464.57



Appendix E

Basin CCTV Reports